METEOROLOGICAL OFFICE.

# DAILY WEATHER REPORTS.

1ST JANUARY TO 30TH JUNE, 1904.

# DAILY WEATHER REPORT

*January to June 1904*

5077. 7. 0°

Weller & Graham Ltd Litho. London

# SUPPLEMENT TO THE DAILY WEATHER REPORT.

## VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE

### *IN THE SIX MONTHS, JANUARY TO JUNE.*

| | STATIONS. | PRESSURE AT 8 A.M. Means, 1871-1900. | TEMPERATURE OF AIR. 1871-1900. Means of: Dry Bulb 8 a.m. | Wet Bulb 8 a.m. | Daily Maximum. | Daily Minimum. | Absolute Extremes: Maximum. | Date. | Minimum. | Date. | RAINFALL. Means for 1871-1900: Days with Rain. | Total Fall. | Means for 1866-1900: Total Fall. | BRIGHT SUNSHINE. Means, 1881-1900. Average Duration. | Per cent. of possible. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | (*Inches.*) | ° | ° | ° | ° | ° | | ° | | | | (*Inches.*) | (*Hours.*) | |
| JANUARY. | Sumburgh Head | 29 · 692 | 39 · 5 | 38 · 1 | 42 · 6 | 35 · 3 | 52 | 1898 | 19 | 1881 | 26 | 3 · 85 | — | — | — |
| | Stornoway | 29 · 709 | 39 · 3 | 38 · 4 | 43 · 1 | 34 · 2 | 55 | 1890 | 11 | 1881 | 25 | 4 · 87 | 29 · 7 | 14 | |
| | Malin Head | 29 · 811 | 40 · 9 | 39 · 4 | 45 · 1 | 37 · 8 | [55]* | [1898] | [23]* | [1894] | [22]* | [2 · 44]* | — | — | — |
| | Blacksod Point | 29 · 849 | 42 · 5 | 41 · 2 | 46 · 5 | 38 · 8 | [56]* | [1890] | [25]* | [1893] | [26]* | [4 · 75]* | — | — | — |
| | Valencia | 29 · 912 | 44 · 2 | 42 · 7 | 49 · 1 | 39 · 9 | 56 | 1876, 78 | 20 | 1894 | 24 | 6 · 10 | 54 · 5 | 22 | |
| | Roche's Point | 29 · 929 | 43 · 0 | 41 · 7 | 47 · 5 | 39 · 2 | 57 | 1889 | 20 | 1894 | 20 | 5 · 14 | — | — | — |
| | Parsonstown | 29 · 912 | 38 · 5 | 37 · 5 | 45 · 2 | 33 · 9 | 57 | 1880, 98 | 6 | 1881, 94 | 20 | 2 · 91 | 52 · 0 | 21 | |
| | Donaghadee | 29 · 872 | 40 · 0 | 39 · 1 | 44 · 5 | 36 · 0 | 58 | 1898 | 14 | 1881 | 20 | 2 · 80 | — | — | — |
| | Liverpool | 29 · 934 | 38 · 4 | 36 · 8 | 43 · 3 | 35 · 0 | 58 | 1898 | 9 | 1881 | 17 | 2 · 20 | — | — | — |
| | Holyhead | 29 · 915 | 41 · 6 | 40 · 2 | 45 · 3 | 38 · 4 | 55 | 1873 | 20 | 1894 | 19 | 3 · 23 | — | — | — |
| | Pembroke | 29 · 949 | 42 · 6 | 41 · 1 | 45 · 4 | 39 · 3 | 53 | 1899 | 19 | 1881, 94 | 20 | 3 · 71 | 54 · 1 | 22 | |
| | Scilly | 29 · 972 | 46 · 3 | 44 · 6 | 48 · 8 | 42 · 5 | 57 | 1899 | 25 | 1894 | 21 | 3 · 59 | — | — | — |
| | Jersey | 30 · 026 | 42 · 0 | 40 · 4 | 46 · 0 | 38 · 3 | 57 | 1877, 99 | 12 | 1891 | 19 | 3 · 16 | 66 · 9 | 25 | |
| | Portland Bill ‡ | [29 · 938] | [44 · 0] | [42 · 7] | [46 · 9] | [39 · 9] | — | — | — | — | [19] | [4 · 22] | — | — | — |
| | Dungeness | 30 · 002 | 38 · 8 | 37 · 9 | 43 · 8 | 35 · 1 | 55 | 1878, 98 | 11 | 1893 | 17 | 1 · 87 | — | — | — |
| | Wick | 29 · 732 | 38 · 1 | 36 · 8 | 42 · 3 | 33 · 1 | 60 | 1898 | — 4 | 1881 | 20 | 2 · 26 | — | — | — |
| | Nairn | 29 · 763 | 37 · 1 | 35 · 6 | 42 · 3 | 32 · 2 | 59 | 1887 | 5 | 1881, 1895 | 17 | 2 · 03 | — | — | — |
| | Aberdeen | 29 · 804 | 37 · 0 | 35 · 3 | 42 · 1 | 33 · 0 | 59 | 1898 | 4 | 1881 | 18 | 2 · 36 | 52 · 1 | 23 | |
| | Leith | 29 · 837 | 38 · 4 | 37 · 0 | 44 · 1 | 33 · 6 | 58 | 1898 | 9 | 1881 | 15 | 1 · 75 | — | — | — |
| | North Shields | 29 · 885 | 38 · 1 | 36 · 8 | 43 · 0 | 33 · 3 | 58 | 1880, 98 | 6 | 1881 | 15 | 1 · 72 | — | — | — |
| | Spurn Head | 29 · 925 | 37 · 6 | 36 · 7 | 41 · 6 | 34 · 4 | [55]* | [1898] | [13]* | [1881] | 15 | 1 · 39 | — | — | — |
| | Yarmouth | 29 · 970 | 37 · 3 | 36 · 4 | 41 · 3 | 33 · 3 | 57 | 1899 | 10 | 1881 | 18 | 1 · 93 | — | — | — |
| | Loughborough | 29 · 971 | 36 · 1 | 35 · 1 | 42 · 8 | 32 · 1 | [59]* | [1898] | [2]* | [1881] | 17 | 2 · 04 | — | — | — |
| | Oxford | 30 · 001 | 36 · 9 | 35 · 8 | 42 · 9 | 33 · 3 | 56 | 1877, 90 | 7 | 1881 | 17 | 2 · 08 | 46 · 4 | 18 | |
| | LONDON | 30 · 004 | 37 · 5 | 36 · 4 | 43 · 8 | 33 · 6 | 58 | 1876 | 9 | 1881 | 16 | 2 · 01 | 18 · 4† | 7† | |
| FEBRUARY. | Sumburgh Head | 29 · 759 | 38 · 6 | 37 · 2 | 42 · 2 | 34 · 4 | 51 | 1887, 91 | 17 | 1895 | 21 | 3 · 09 | — | — | — |
| | Stornoway | 29 · 766 | 39 · 0 | 38 · 0 | 43 · 8 | 34 · 2 | 55 | 1891 | 12 | 1892 | 21 | 3 · 84 | 62 · 8 | 24 | |
| | Malin Head | 29 · 834 | 41 · 1 | 39 · 6 | 45 · 4 | 38 · 3 | [59]* | [1891] | [20]* | [1895] | [17]* | [2 · 06]* | — | — | — |
| | Blacksod Point | 29 · 863 | 42 · 5 | 40 · 9 | 47 · 3 | 38 · 8 | [61]* | [1891] | [23]* | [1895] | [20]* | [3 · 54]* | — | — | — |
| | Valencia | 29 · 912 | 44 · 5 | 42 · 7 | 49 · 5 | 40 · 4 | 58 | 1891 | 22 | 1895 | 21 | 4 · 94 | 73 · 5 | 27 | |
| | Roche's Point | 29 · 924 | 43 · 1 | 41 · 6 | 48 · 3 | 39 · 6 | 56 | 1877, 89, 96 | 25 | 1895, 1900 | 17 | 4 · 09 | — | — | — |
| | Parsonstown | 29 · 909 | 39 · 1 | 37 · 8 | 46 · 9 | 35 · 0 | 59 | 1891 | 6 | 1895 | 16 | 2 · 12 | 68 · 0 | 25 | |
| | Donaghadee | 29 · 888 | 40 · 1 | 39 · 2 | 45 · 6 | 36 · 5 | 57 | 1897 | 16 | 1895 | 17 | 2 · 33 | — | — | — |
| | Liverpool | 29 · 938 | 38 · 6 | 37 · 0 | 44 · 5 | 35 · 7 | 62 | 1878 | 12 | 1895 | 15 | 1 · 71 | — | — | — |
| | Holyhead | 29 · 920 | 41 · 3 | 39 · 9 | 45 · 5 | 38 · 3 | 59 | 1891 | 17 | 1895 | 16 | 2 · 47 | — | — | — |
| | Pembroke | 29 · 944 | 42 · 0 | 40 · 8 | 45 · 5 | 39 · 2 | 53 | 1899 | 23 | 1895 | 17 | 2 · 68 | 77 · 6 | 28 | |
| | Scilly | 29 · 958 | 46 · 0 | 44 · 3 | 49 · 0 | 42 · 5 | 57 | 1896, 99 | 27 | 1895 | 18 | 2 · 65 | — | — | — |
| | Jersey | 30 · 015 | 42 · 4 | 40 · 9 | 47 · 2 | 39 · 0 | 62 | 1891 | 18 | 1895 | 17 | 2 · 42 | 94 · 3 | 33 | |
| | Portland Bill ‡ | [29 · 565] | [39 · 6] | [38 · 5] | [43 · 8] | [35 · 1] | — | — | — | — | [19] | [4 · 30] | — | — | — |
| | Dungeness | 29 · 986 | 39 · 1 | 38 · 0 | 44 · 5 | 35 · 6 | 57 | 1897 | 11 | 1889 | 15 | 1 · 37 | — | — | — |
| | Wick | 29 · 787 | 37 · 7 | 36 · 4 | 43 · 0 | 32 · 8 | 59 | 1878 | 2 | 1895 | 17 | 2 · 06 | — | — | — |
| | Nairn | 29 · 806 | 36 · 6 | 35 · 0 | 43 · 6 | 32 · 1 | 64 | 1891 | 0 (Zero) | 1895, 97 | 14 | 1 · 60 | — | — | — |
| | Aberdeen | 29 · 845 | 36 · 9 | 35 · 1 | 43 · 2 | 33 · 2 | 64 | 1897 | 6 | 1895 | 17 | 2 · 20 | 75 · 2 | 29 | |
| | Leith | 29 · 866 | 38 · 2 | 36 · 8 | 45 · 6 | 33 · 9 | 59 | 1882 | 12 | 1895 | 13 | 1 · 46 | — | — | — |
| | North Shields | 29 · 901 | 38 · 3 | 36 · 9 | 44 · 1 | 34 · 4 | 60 | 1898, 99 | 7 | 1895 | 14 | 1 · 50 | — | — | — |
| | Spurn Head | 29 · 932 | 38 · 2 | 37 · 3 | 42 · 5 | 35 · 5 | [61]* | [1899] | [20]* | [1895] | 13 | 1 · 35 | — | — | — |
| | Yarmouth | 29 · 962 | 38 · 0 | 37 · 0 | 42 · 5 | 34 · 1 | 58 | 1872, 98 | 15 | 1895 | 15 | 1 · 70 | — | — | — |
| | Loughborough | 29 · 907 | 36 · 6 | 35 · 5 | 45 · 4 | 33 · 0 | [64]* | [1891] | [— 5*] | [1895] | 13 | 1 · 75 | — | — | — |
| | Oxford | 29 · 991 | 37 · 4 | 36 · 3 | 45 · 2 | 34 · 3 | 64 | 1891 | 7 | 1895 | 14 | 1 · 80 | 68 · 1 | 25 | |
| | LONDON | 29 · 994 | 38 · 3 | 37 · 0 | 45 · 8 | 34 · 7 | 66 | 1899 | 10 | 1895 | 14 | 1 · 69 | 32 · 8† | 12† | |
| MARCH. | Sumburgh Head | 29 · 731 | 38 · 5 | 37 · 0 | 42 · 8 | 34 · 1 | 57 | 1893 | 18 | 1879 | 23 | 2 · 86 | — | — | — |
| | Stornoway | 29 · 767 | 39 · 2 | 38 · 2 | 45 · 0 | 34 · 2 | 58 | 1872 | 13 | 1881 | 23 | 3 · 48 | 103 · 9 | 29 | |
| | Malin Head | 29 · 834 | 41 · 1 | 39 · 6 | 46 · 4 | 38 · 5 | [62]* | [1894] | [26]* | [1886] | [19]* | [2 · 06]* | — | — | — |
| | Blacksod Point | 29 · 880 | 43 · 3 | 41 · 4 | 48 · 4 | 39 · 1 | [64]* | [1894, 99] | [26]* | [1891, 1900] | [23]* | [3 · 47]* | — | — | — |
| | Valencia | 29 · 927 | 44 · 8 | 42 · 7 | 50 · 9 | 40 · 1 | 66 | 1899 | 26 | 1899 | 20 | 3 · 92 | 132 · 3 | 36 | |
| | Roche's Point | 29 · 930 | 43 · 4 | 41 · 5 | 49 · 7 | 39 · 6 | 61 | 1899 | 27 | 1890 | 14 | 3 · 26 | — | — | — |
| | Parsonstown | 29 · 920 | 39 · 9 | 38 · 5 | 49 · 8 | 34 · 8 | 66 | 1894 | 18 | 1891 | 16 | 2 · 23 | 110 · 8 | 30 | |
| | Donaghadee | 29 · 876 | 40 · 8 | 39 · 6 | 47 · 5 | 37 · 0 | 65 | 1874 | 25 | 1892 | 18 | 1 · 96 | — | — | — |
| | Liverpool | 29 · 904 | 40 · 3 | 38 · 2 | 47 · 1 | 36 · 8 | 66 | 1871 | 21 | 1886 | 15 | 1 · 67 | — | — | — |
| | Holyhead | 29 · 901 | 42 · 1 | 40 · 5 | 47 · 3 | 38 · 8 | 67 | 1894 | 27 | 1881 | 16 | 2 · 22 | — | — | — |
| | Pembroke | 29 · 926 | 42 · 2 | 40 · 6 | 46 · 6 | 39 · 1 | 58 | 1872, 99 | 26 | 1888 | 17 | 2 · 24 | 135 · 2 | 37 | |
| | Scilly | 29 · 942 | 46 · 1 | 44 · 2 | 49 · 7 | 42 · 3 | 59 | 1893 | 30 | 1883, 90, 91 | 18 | 2 · 26 | — | — | — |
| | Jersey | 29 · 963 | 44 · 2 | 42 · 1 | 49 · 8 | 40 · 0 | 66 | 1871, 93, 94 | 21 | 1890 | 16 | 2 · 26 | 154 · 0 | 42 | |
| | Portland Bill ‡ | [30 · 005] | [39 · 2] | [37 · 5] | [45 · 4] | [34 · 4] | — | — | — | — | [12] | [1 · 03] | — | — | — |
| | Dungeness | 29 · 927 | 40 · 8 | 39 · 3 | 46 · 7 | 36 · 6 | 59 | 1894, 96 | 13 | 1890 | 14 | 1 · 38 | — | — | — |
| | Wick | 29 · 770 | 39 · 0 | 37 · 4 | 45 · 0 | 33 · 9 | 62 | 1894 | 10 | 1900 | 20 | 2 · 05 | — | — | — |
| | Nairn | 29 · 795 | 38 · 1 | 36 · 3 | 46 · 1 | 33 · 3 | 65 | 1884 | 6 | 1892 | 17 | 1 · 72 | — | — | — |
| | Aberdeen | 29 · 813 | 38 · 8 | 36 · 5 | 45 · 8 | 34 · 3 | 66 | 1889, 91, 92 | 10 | 1889 | 19 | 2 · 28 | 121 · 0 | 33 | |
| | Leith | 29 · 840 | 39 · 4 | 37 · 6 | 48 · 0 | 34 · 5 | 68 | 1884 | 19 | 1879, 81, 89 | 15 | 1 · 42 | — | — | — |
| | North Shields | 29 · 863 | 39 · 3 | 37 · 7 | 46 · 3 | 34 · 8 | 64 | 1884, 93 | 15 | 1889 | 15 | 1 · 74 | — | — | — |
| | Spurn Head | 29 · 880 | 39 · 8 | 38 · 5 | 45 · 0 | 36 · 5 | [62]* | [1890, 93] | [24]* | [1886] | 14 | 1 · 21 | — | — | — |
| | Yarmouth | 29 · 904 | 40 · 2 | 38 · 6 | 45 · 3 | 35 · 3 | 62 | 1884, 89 | 18 | 1892 | 15 | 1 · 72 | — | — | — |
| | Loughborough | 29 · 922 | 38 · 4 | 36 · 8 | 49 · 7 | 33 · 8 | [69]* | [1884, 93] | [15]* | [1883] | 15 | 1 · 52 | — | — | — |
| | Oxford | 29 · 944 | 38 · 8 | 37 · 3 | 49 · 3 | 34 · 6 | 67 | 1884, 93 | 15 | 1891 | 13 | 1 · 47 | 116 · 8 | 32 | |
| | LONDON | 29 · 942 | 40 · 1 | 38 · 1 | 50 · 1 | 35 · 3 | 71 | 1871 | 15 | 1890 | 13 | 1 · 49 | 68 · 0† | 19† | |

* These values are from observations made during the following periods:—Spurn Head and Loughborough, 20 years, 1881-1900; Malin Head and Blacksod Point (Belmullet), 15 years, 1886-1900.
† The Sunshine values are for Westminster. ‡ The values for Portland Bill are for one year only—1900.

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# VALUES FOR PRESSURE, TEMPERATURE, RAINFALL, AND BRIGHT SUNSHINE

*(CONTINUED).*

| | STATIONS. | PRESSURE AT 8 A.M. Means, 1871-1900. | TEMPERATURE OF AIR. 1871-1900. Means of: Dry Bulb 8 a.m. | Wet Bulb 8 a.m. | Daily Maximum. | Daily Minimum. | Absolute Extremes: Maximum. | Date. | Minimum. | Date. | RAINFALL. Means for 1871-1900: Days with Rain. | 1866-1900: Total Fall. | BRIGHT SUNSHINE. Means, 1881-1900. Average Duration. | Per cent. of possible. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | (Inches.) | ° | ° | ° | ° | ° | | ° | | | (Inches.) | (Hours.) | |
| APRIL. | Sumburgh Head | 29 · 845 | 42 · 1 | 40 · 3 | 46 · 2 | 36 · 9 | 56 | 1900 | 21 | 1899 | 17 | 2 · 06 | — | — |
| | Stornoway | 29 · 833 | 43 · 8 | 42 · 3 | 49 · 2 | 37 · 2 | 67 | 1893 | 20 | 1881 | 18 | 2 · 51 | 156 · 7 | 37 |
| | Malin Head | 29 · 850 | 44 · 4 | 42 · 6 | 50 · 0 | 41 · 7 | [67]* | [1900] | [31]* | [1892] | [17]* | [1 · 80]* | — | — |
| | Blacksod Point | 29 · 867 | 46 · 7 | 44 · 5 | 52 · 2 | 42 · 6 | [71]* | [1893] | [29]* | [1892, 97] | [19]* | [2 · 81]* | — | — |
| | Valencia | 29 · 883 | 48 · 6 | 46 · 0 | 54 · 2 | 43 · 1 | 70 | 1892 | 30 | 1879, 92, 97, 98 | 18 | 3 · 78 | 163 · 9 | 40 |
| | Roche's Point | 29 · 887 | 47 · 2 | 45 · 0 | 53 · 8 | 42 · 7 | 72 | 1893 | 31 | 1892 | 15 | 3 · 10 | — | — |
| | Parsonstown | 29 · 890 | 45 · 3 | 42 · 9 | 54 · 9 | 38 · 5 | 73 | 1893 | 21 | 1892 | 15 | 2 · 14 | 151 · 1 | 36 |
| | Donaghadee | 29 · 884 | 45 · 0 | 43 · 4 | 51 · 4 | 40 · 5 | 65 | 1900 | 29 | 1898 | 15 | 1 · 94 | — | — |
| | Liverpool | 29 · 896 | 45 · 3 | 42 · 3 | 52 · 9 | 40 · 6 | 75 | 1893 | 29 | 1881 | 14 | 1 · 57 | — | — |
| | Holyhead | 29 · 887 | 46 · 1 | 44 · 1 | 51 · 7 | 42 · 1 | 75 | 1874, 93 | 31 | 1881, 92 | 14 | 1 · 92 | — | — |
| | Pembroke | 29 · 887 | 45 · 7 | 44 · 0 | 50 · 7 | 42 · 3 | 70 | 1893 | 30 | 1879, 81 | 15 | 1 · 93 | 179 · 6 | 44 |
| | Scilly | 29 · 888 | 49 · 0 | 47 · 0 | 52 · 6 | 45 · 0 | 66 | 1893 | 32 | 1876 | 16 | 2 · 12 | — | — |
| | Jersey | 29 · 912 | 49 · 1 | 46 · 3 | 54 · 8 | 43 · 8 | 84 | 1874 | 32 | 1871, 76, 92, 1900 | 14 | 2 · 01 | 193 · 8 | 47 |
| | Portland Bill ‡ | [30 · 037] | [46 · 5] | [44 · 6] | [51 · 8] | [41 · 0] | — | — | — | — | [13] | [0 · 94] | — | — |
| | Dungeness | 29 · 894 | 46 · 5 | 44 · 3 | 51 · 6 | 41 · 3 | 69 | 1873 | 25 | 1892 | 13 | 1 · 37 | — | — |
| | Wick | 29 · 853 | 43 · 4 | 41 · 6 | 49 · 4 | 37 · 2 | 69 | 1875, 1900 | 23 | 1892 | 16 | 1 · 65 | — | — |
| | Nairn | 29 · 857 | 43 · 3 | 40 · 9 | 51 · 6 | 36 · 8 | 72 | 1875 | 21 | 1892 | 15 | 1 · 31 | — | — |
| | Aberdeen | 29 · 876 | 43 · 7 | 40 · 9 | 49 · 8 | 38 · 0 | 74 | 1900 | 23 | 1881, 92 | 17 | 2 · 05 | 153 · 3 | 36 |
| | Leith | 29 · 880 | 44 · 5 | 41 · 9 | 52 · 5 | 38 · 0 | 75 | 1875 | 23 | 1881 | 13 | 1 · 44 | — | — |
| | North Shields | 29 · 888 | 43 · 8 | 41 · 7 | 49 · 7 | 38 · 5 | 71 | 1892 | 25 | 1892 | 14 | 1 · 64 | — | — |
| | Spurn Head | 29 · 888 | 44 · 3 | 42 · 5 | 48 · 9 | 40 · 4 | [67]* | [1885] | [30]* | [1881, 89] | 13 | 1 · 32 | — | — |
| | Yarmouth | 29 · 897 | 44 · 9 | 43 · 0 | 49 · 5 | 40 · 0 | 72 | 1885 | 25 | 1878 | 15 | 1 · 62 | — | — |
| | Loughborough | 29 · 910 | 44 · 1 | 41 · 9 | 55 · 7 | 37 · 8 | [81]* | [1893] | [23]* | [1891, 92, 1900] | 14 | 1 · 69 | — | — |
| | Oxford | 29 · 916 | 44 · 6 | 42 · 3 | 55 · 3 | 38 · 9 | 80 | 1893 | 23 | 1892 | 14 | 1 · 61 | 149 · 9 | 36 |
| | LONDON | 29 · 911 | 46 · 3 | 43 · 3 | 56 · 6 | 39 · 9 | 82 | 1893 | 27 | 1873, 84, 87, 92, 1900 | 13 | 1 · 65 | 109 · 8† | 27† |
| MAY. | Sumburgh Head | 29 · 896 | 46 · 0 | 44 · 0 | 50 · 2 | 40 · 3 | 63 | 1895 | 27 | 1877 | 17 | 1 · 81 | — | — |
| | Stornoway | 29 · 904 | 48 · 4 | 46 · 4 | 53 · 5 | 41 · 0 | 72 | 1882, 96 | 27 | 1876, 77 | 18 | 2 · 43 | 189 · 7 | 37 |
| | Malin Head | 29 · 927 | 48 · 9 | 46 · 6 | 54 · 2 | 45 · 5 | [70]* | [1895] | [35]* | [1886, 91, 97] | [16]* | [2 · 14]* | — | — |
| | Blacksod Point | 29 · 954 | 51 · 2 | 48 · 3 | 55 · 8 | 46 · 1 | [75]* | [1890] | [36]* | [1894] | [18]* | [2 · 81]* | — | — |
| | Valencia | 29 · 976 | 53 · 0 | 49 · 7 | 58 · 2 | 46 · 3 | 74 | 1884, 95, 97 | 34 | 1877, 85, 96 | 16 | 3 · 02 | 210 · 7 | 44 |
| | Roche's Point | 29 · 975 | 52 · 0 | 49 · 2 | 58 · 6 | 46 · 4 | 73 | 1896 | 36 | 1879, 86 | 13 | 2 · 93 | — | — |
| | Parsonstown | 29 · 972 | 51 · 0 | 47 · 9 | 59 · 8 | 42 · 8 | 77 | 1881, 95 | 28 | 1874, 77 | 15 | 2 · 27 | 185 · 0 | 38 |
| | Donaghadee | 29 · 962 | 49 · 8 | 47 · 6 | 56 · 2 | 44 · 5 | 70 | 1896 | 30 | 1873 | 15 | 2 · 19 | — | — |
| | Liverpool | 29 · 973 | 50 · 9 | 47 · 0 | 58 · 1 | 45 · 0 | 80 | 1895 | 30 | 1883 | 14 | 1 · 86 | — | — |
| | Holyhead | 29 · 970 | 50 · 7 | 48 · 1 | 56 · 2 | 46 · 0 | 74 | 1895 | 37 | 1894 | 13 | 1 · 84 | — | — |
| | Pembroke | 29 · 974 | 50 · 2 | 48 · 1 | 55 · 2 | 46 · 1 | 72 | 1890 | 34 | 1879 | 14 | 1 · 96 | 223 · 9 | 46 |
| | Scilly | 29 · 980 | 52 · 8 | 50 · 4 | 56 · 6 | 48 · 4 | 67 | 1896 | 38 | 1883 | 13 | 1 · 67 | — | — |
| | Jersey | 29 · 997 | 53 · 8 | 50 · 5 | 59 · 7 | 47 · 5 | 79 | 1875 | 33 | 1871 | 12 | 1 · 89 | 249 · 4 | 53 |
| | Portland Bill ‡ | [29 · 984] | [50 · 1] | [48 · 4] | [56 · 1] | [44 · 3] | — | — | — | — | [10] | [1 · 21] | — | — |
| | Dungeness | 29 · 972 | 52 · 3 | 49 · 4 | 57 · 3 | 46 · 2 | 76 | 1892 | 30 | 1892 | 12 | 1 · 35 | — | — |
| | Wick | 29 · 916 | 48 · 2 | 45 · 8 | 53 · 9 | 40 · 8 | 71 | 1891 | 24 | 1876 | 17 | 1 · 83 | — | — |
| | Nairn | 29 · 922 | 48 · 8 | 45 · 8 | 56 · 6 | 41 · 5 | 78 | 1888 | 26 | 1894 | 15 | 1 · 66 | — | — |
| | Aberdeen | 29 · 936 | 49 · 0 | 45 · 4 | 54 · 8 | 41 · 8 | 74 | 1881 | 29 | 1884, 91 | 16 | 2 · 02 | 191 · 0 | 38 |
| | Leith | 29 · 946 | 50 · 2 | 46 · 7 | 57 · 8 | 42 · 4 | 81 | 1881 | 27 | 1883 | 14 | 1 · 67 | — | — |
| | North Shields | 29 · 955 | 48 · 9 | 46 · 0 | 54 · 5 | 42 · 6 | 72 | 1896 | 29 | 1871, 91 | 14 | 1 · 66 | — | — |
| | Spurn Head | 29 · 961 | 49 · 4 | 47 · 3 | 54 · 3 | 45 · 0 | [75]* | [1883] | [34]* | [1891] | 13 | 1 · 58 | — | — |
| | Yarmouth | 29 · 969 | 50 · 5 | 48 · 0 | 55 · 2 | 44 · 8 | 76 | 1875 | 32 | 1891, 92 | 13 | 1 · 78 | — | — |
| | Loughborough | 29 · 984 | 50 · 8 | 47 · 4 | 61 · 6 | 42 · 4 | [83]* | [1881, 95] | [25]* | [1892] | 14 | 2 · 02 | — | — |
| | Oxford | 29 · 991 | 50 · 7 | 47 · 5 | 60 · 9 | 43 · 5 | 83 | 1895 | 28 | 1877 | 13 | 1 · 75 | 196 · 3 | 41 |
| | LONDON | 29 · 989 | 52 · 6 | 48 · 4 | 62 · 6 | 44 · 5 | 86 | 1880 | 29 | 1877, 86, 92 | 12 | 1 · 69 | 164 · 8† | 35† |
| JUNE. | Sumburgh Head | 29 · 903 | 50 · 4 | 48 · 7 | 54 · 5 | 45 · 1 | 70 | 1891 | 33 | 1888 | 15 | 1 · 88 | — | — |
| | Stornoway | 29 · 898 | 53 · 5 | 51 · 5 | 58 · 5 | 46 · 2 | 76 | 1893 | 31 | 1888 | 16 | 2 · 42 | 183 · 7 | 34 |
| | Malin Head | 29 · 934 | 53 · 8 | 51 · 6 | 59 · 1 | 50 · 8 | [75]* | [1887, 91, 95] | [40]* | [1888] | [15]* | [2 · 21]* | — | — |
| | Blacksod Point | 29 · 955 | 56 · 4 | 53 · 4 | 60 · 9 | 51 · 3 | [82]* | [1887] | [40]* | [1894] | [17]* | [2 · 69]* | — | — |
| | Valencia | 29 · 985 | 57 · 6 | 54 · 6 | 62 · 5 | 51 · 3 | 81 | 1887 | 40 | 1875, 80, 82 | 17 | 3 · 38 | 197 · 6 | 40 |
| | Roche's Point | 29 · 986 | 57 · 2 | 54 · 1 | 64 · 2 | 51 · 6 | 80 | 1876, 87 | 41 | 1881 | 13 | 3 · 02 | — | — |
| | Parsonstown | 29 · 981 | 56 · 4 | 53 · 2 | 65 · 1 | 48 · 8 | 85 | 1887 | 32 | 1881 | 15 | 2 · 43 | 170 · 2 | 34 |
| | Donaghadee | 29 · 961 | 55 · 2 | 53 · 1 | 61 · 6 | 49 · 7 | 77 | 1887 | 36 | 1880 | 15 | 2 · 18 | — | — |
| | Liverpool | 29 · 977 | 57 · 2 | 53 · 0 | 64 · 2 | 51 · 3 | 85 | 1878, 93 | 38 | 1872 | 14 | 2 · 07 | — | — |
| | Holyhead | 29 · 977 | 56 · 2 | 53 · 6 | 61 · 8 | 51 · 3 | 83 | 1878 | 42 | 1882 | 14 | 1 · 99 | — | — |
| | Pembroke | 29 · 985 | 55 · 7 | 53 · 7 | 60 · 6 | 51 · 8 | 79 | 1893 | 38 | 1888 | 14 | 1 · 93 | 233 · 6 | 47 |
| | Scilly | 30 · 000 | 57 · 7 | 55 · 5 | 61 · 8 | 53 · 4 | 75 | 1893 | 41 | 1888 | 14 | 1 · 76 | — | — |
| | Jersey | 30 · 021 | 59 · 2 | 56 · 0 | 65 · 2 | 53 · 1 | 87 | 1872 | 39 | 1890 | 12 | 1 · 90 | 246 · 6 | 51 |
| | Portland Bill ‡ | [29 · 969] | [55 · 7] | [54 · 3] | [61 · 3] | [50 · 6] | — | — | — | — | [12] | [2 · 67] | — | — |
| | Dungeness | 29 · 988 | 58 · 3 | 55 · 3 | 63 · 2 | 52 · 4 | 77 | 1878 | 37 | 1890, 91, 92, 93 | 11 | 1 · 34 | — | — |
| | Wick | 29 · 920 | 53 · 3 | 50 · 9 | 58 · 9 | 45 · 7 | 79 | 1878 | 30 | 1881 | 14 | 1 · 74 | — | — |
| | Nairn | 29 · 920 | 54 · 6 | 51 · 2 | 62 · 4 | 47 · 3 | 86 | 1876 | 30 | 1888 | 14 | 1 · 77 | — | — |
| | Aberdeen | 29 · 937 | 54 · 8 | 50 · 9 | 60 · 9 | 47 · 3 | 80 | 1881, 87 | 30 | 1888 | 14 | 1 · 85 | 187 · 9 | 36 |
| | Leith | 29 · 946 | 56 · 0 | 52 · 4 | 63 · 8 | 48 · 2 | 86 | 1887 | 34 | 1886 | 14 | 1 · 87 | — | — |
| | North Shields | 29 · 959 | 54 · 9 | 51 · 9 | 60 · 7 | 48 · 6 | 80 | 1897 | 37 | 1881, 86, 95, 98 | 13 | 1 · 80 | — | — |
| | Spurn Head | 29 · 970 | 55 · 5 | 53 · 2 | 60 · 6 | 51 · 3 | [80]* | [1885] | [34]* | [1881] | 12 | 1 · 60 | — | — |
| | Yarmouth | 29 · 981 | 57 · 0 | 54 · 1 | 62 · 1 | 51 · 1 | 81 | 1877, 88 | 37 | 1898 | 13 | 1 · 90 | — | — |
| | Loughborough | 29 · 991 | 57 · 8 | 54 · 0 | 68 · 8 | 49 · 0 | [86]* | [1893] | [32]* | [1895, 98] | 12 | 2 · 15 | — | — |
| | Oxford | 29 · 997 | 57 · 1 | 53 · 6 | 67 · 4 | 50 · 1 | 86 | 1876, 93 | 35 | 1892, 93 | 12 | 2 · 10 | 194 · 9 | 40 |
| | LONDON | 30 · 001 | 59 · 2 | 54 · 7 | 69 · 5 | 50 · 9 | 91 | 1878 | 35 | 1880 | 12 | 1 · 93 | 164 · 9† | 34† |

* These values are from observations made during the following periods:—Spurn Head and Loughborough, 20 years, 1881-1900; Malin Head and Blacksod Point (Belmullet), 15 years, 1886-1900.

† The Sunshine values are for Westminster.

‡ The values for Portland Bill are for one year only—1900.

# DAILY WEATHER REPORT

*for 8 a.m. on Friday, 1st. January,* **1904.**

*Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London.* **W. N. SHAW, Secretary.**

| | STATIONS. | YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins. | Temp. Dry Bulb. ° | Wind. Direc. | Wind. Force (0 to 12.) | Weather | THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins. | Change since Yesterday. Ins. | Temperature. Dry Bulb. ° | Wet Bulb. ° | Change since Yesterday. ° | Wind. Direc. | Wind. Force (0 to 12.) | Weather. | Sea (0 to 9.) | PAST 24 HOURS. Temp. Max. ° | Temp. Min. ° | Weather | Sunshine Hours | Rainfall Ins. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SCANDINAVIA | Haparanda... ... | 29.88 | 34 | SW | 4 | 8c | 30.05 | -.03 | 32 | 32 | +6 | N | 2 | c | * | 34 | 19 | - | * | - |
| | Hernösand ... ... | 30.23 | 25 | ✕ | 0 | 8 | 30.21 | -.04 | 22 | 20 | -9 | ✕ | 0 | 8 | * | 34 | 22 | - | * | - |
| | Stockholm ... ... | 30.28 | 23 | ✕ | 0 | 8c | 30.23 | -.05 | 23 | 21 | -2 | W | 2 | 8 | * | 30 | 23 | - | * | - |
| | Wisby... ... ... | 30.29 | 34 | NNW | 4 | 8c | 30.27 | -.01 | 31 | 30 | -4 | NNW | 2 | f | * | 36 | 30 | - | * | - |
| | Karlstad ... ... | 29.96 | 16 | ✕ | 0 | 8 | 30.34 | -.01 | 14 | 14 | -3 | ✕ | 0 | 8 | * | * | * | - | * | - |
| | Færder (X'iania Fjord) | 30.36 | 26 | N | 4 | 8 | 30.34 | -.04 | 22 | 21 | -2 | N | 2 | 0 | 1 | 27 | 21 | - | * | - |
| | Bodö ... ... ... | 30.15 | 40 | WSW | 4 | 0 | 30.21 | +.06 | 40 | 39 | -1 | SW | 2 | 0 | 2 | 41 | 39 | - | * | - |
| | Christiansund ... | 30.32 | 32 | ESE | 2 | 8 | 30.30 | -.01 | 28 | 26 | -7 | ESE | 2 | 8 | 3 | 35 | 28 | - | * | - |
| | Skudesnaes ... | 30.31 | 30 | ✕ | 0 | 8 | 30.29 | -.03 | 27 | 26 | -6 | ✕ | 0 | 8 | 1 | 34 | 25 | 8 | * | |
| BRITISH ISLANDS | Sumburgh Head | 30.10 | 40 | SE | 4 | c | 30.08 | -.04 | 39 | 37 | -1 | SE | 3 | 8c | 5 | 41 | 37 | c | * | 0.03 |
| | Stornoway ... ... | 29.89 | 42 | SSE | 4 | 8c | 29.81 | -.12 | 33 | 31 | -7 | S | 2 | 8 | 2 | 44 | 31 | 8c | 3.2 | - |
| | Malin Head ... | 29.78 | 35 | SE | 5 | c | 29.86 | +.05 | 33 | 32 | -1 | SE | 5 | 8 | 3 | 37 | 32 | 8c,c | * | - |
| | Blacksod Pt. ... | 29.69 | 36 | ESE | 5 | 8 | 29.79 | +.10 | 37 | 34 | +2 | SE | 4 | c | 4 | 37 | 35 | 8 | * | - |
| | Valencia ... ... | 29.60 | 44 | E | 4 | omp | 29.72 | +.18 | 43 | 41 | 0 | ENE | 4 | ogm | 4 | 45 | 41 | p,og,op | 0.0 | 0.10 |
| | Roche's Point ... | 29.67 | 43 | ESE | 5 | ogp | 29.77 | +.12 | 44 | 42 | +1 | ESE | 5 | og | 4 | 44 | 40 | r,ogp | * | 0.04 |
| | Parsonstown ... | 29.75 | 35 | E | 3 | c | 29.84 | +.10 | 35 | 33 | +2 | E | 2 | c | * | 36 | 32 | o,c | 0.0 | - |
| | Donaghadee ... | 29.85 | 40 | SE | 5 | cg | 29.91 | +.02 | 39 | 36 | 0 | SE | 4 | o | 4 | 40 | 37 | - | * | - |
| | Liverpool Obsy... | 29.88 | 33 | ESE | 3 | c | 29.95 | +.04 | 29 | 28 | -1 | SE | 3 | 8 | ? | 33 | 28 | om,c | * | - |
| | Holyhead ... ... | 29.79 | 33 | E | 4 | 8 | 29.88 | +.04 | 32 | 31 | 0 | SE | 1 | 8c | 1 | 34 | 28 | 8 | * | - |
| | Pembroke (St Ann's) | 29.75 | 32 | E | 6 | c | 29.82 | +.07 | 35 | 34 | +3 | ESE | 7 | ogrs | 5 | 36 | 32 | - | 0.0 | - |
| | Scilly (St. Mary's) ... | 29.60 | 45 | ESE | 6 | c | 29.71 | +.12 | 46 | 44 | +4 | ESE | 4 | c | 5 | 46 | 39 | op,c | 0.0 | 0.02 |
| | Jersey (St. Aubins) ... | | | | | | | | | | | | | | | | | | | |
| | Portland Bill ... | ?29.74 | 28 | E | 5 | o | 29.83 | +.06 | 33 | 32 | +3 | ENE | 4 | o | 3 | 33 | 27 | o | * | - |
| | Dungeness ... ... | 29.81 | 30 | E | 4 | c | 29.95 | +.09 | 32 | 32 | +7 | E | 2 | 8c | 2 | 33 | 24 | c | 3.2 | - |
| | Wick ... ... ... | 30.00 | 40 | S | 4 | o | 30.00 | -.01 | 41 | 40 | +1 | S | 4 | o | 3 | 42 | 38 | - | * | 0.15 |
| | Nairn ... ... ... | 29.99 | 37 | E | 1 | 8 | 29.97 | -.05 | 36 | 34 | +1 | ESE | 2 | 8c | 2 | 39 | 31 | - | * | - |
| | Aberdeen ... ... | 30.04 | 40 | SE | 4 | cgpg | 30.04 | -.02 | 41 | 38 | +2 | SSE | 4 | odp | 3 | 41 | 37 | o,cgpg | 0.0 | 0.08 |
| | Leith ... ... ... | 29.95 | 39 | SE | 1 | 8c | 29.96 | -.03 | 40 | 38 | +3 | E | 1 | c | * | 40 | 36 | - | * | - |
| | North Shields ... | 29.95 | 39 | ESE | 5 | o | 29.99 | -.01 | 39 | 37 | 0 | SE | 3 | o | 3 | 40 | 37 | o,p | * | - |
| | Spurn Head .. | 29.94 | 36 | E | 6 | o | 29.98 | +.03 | 37 | 35 | 0 | ESE | 4 | o | 4 | 38 | 34 | o | * | - |
| | Yarmouth ... ... | 29.85 | 36 | ESE | 6 | c | 29.95 | +.06 | 35 | 33 | +1 | ESE | 5 | og | 5 | 36 | 32 | c | * | - |
| | Clacton-on-Sea ... | 29.86 | 33 | ENE | 4 | o | ?29.97 | | 34 | 32 | | ENE | 4 | o | 3 | 35 | 30 | - | 0.0 | - |
| | Nottingham ... | 29.88 | 32 | E | 3 | o | 29.97 | +.05 | 32 | 31 | +1 | ESE | 1 | o | * | 32 | 30 | o | 0.0 | - |
| | Bath ... ... ... | 29.80 | 28 | NE | 2 | 8c | 29.91 | +.08 | 29 | 29 | +1 | NE | 1 | o | * | 31 | 25 | - | 0.0 | - |
| | Oxford ... ... | 29.89 | 30 | E | 3 | o | 29.97 | +.10 | 30 | 29 | +1 | ENE | 2 | o | * | 30 | 26 | o,8 | * | - |
| | London (Brixton) ... | 29.83 | 31 | E | 3 | og | 29.94 | +.08 | 32 | 31 | +3 | E | 1 | om | * | 32 | 27 | og,8c,8 | 0.0 | - |
| GERMANY, &c. | The Scaw (Skagen) | 30.34 | 28 | ESE | 1 | f | 30.33 | -.01 | 28 | 28 | 0 | NE | 1 | m | 0 | 32 | 27 | - | * | - |
| | Fanö ... ... ... | 30.23 | 31 | ENE | 4 | o | 30.20 | -.08 | 32 | 30 | +2 | ENE | 3 | c | * | 36 | 30 | - | * | - |
| | Cuxhaven ... ... | 30.13 | 31 | E | 6 | c | 30.13 | -.07 | 28 | 28 | -2 | E | 5 | o | * | 32 | 28 | - | * | - |
| | The Helder ... | 29.95 | 29 | E | 3 | 8 | 30.04 | +.05 | 27 | 26 | +3 | E | 3 | 8c | 2 | 30 | 23 | - | * | - |
| | Brussels ... ... | * | * | * | * | * | 29.97 | +.09 | 16 | 16 | -1 | ✕ | 0 | 8 | * | 29 | 15 | - | * | - |
| | Berlin ... ... ... | 30.18 | 27 | SE | 3 | 8 | 30.13 | -.12 | 28 | 26 | 0 | SE | 4 | o | * | 28 | 25 | - | * | - |
| | Frankfürt ... ... | 29.95 | 23 | E | 2 | 8 | 29.99 | -.02 | 19 | 19 | +1 | E | 1 | 8 | * | 30 | 18 | - | * | - |
| | Munich ... ... | 29.84 | 16 | E | 3 | c | 29.91 | -.02 | 15 | 15 | 0 | W | 3 | f | * | 21 | 14 | - | * | - |
| FRANCE. | C. Gris Nez ... | 29.80 | 24 | ENE | 3 | 8 | 29.86 | +.02 | 24 | 23 | +6 | E | 2 | 8 | 2 | ? | ? | - | * | - |
| | Brest ... ... ... | 29.61 | 41 | ESE | 3 | o | 29.74 | +.14 | 39 | 37 | +3 | NE | 2 | o | 3 | 43 | 36 | - | * | - |
| | Lorient ... ... | 29.62 | 39 | ENE | 4 | c | 29.77 | +.15 | 37 | 37 | +5 | E | 4 | c | 5 | 39 | 32 | - | * | - |
| | Rochefort ... ... | 29.62 | 43 | SE | 2 | o | 29.79 | +.17 | 37 | 36 | +3 | ESE | 3 | c | * | 45 | 34 | - | * | - |
| | Biarritz ... ... | 29.60 | 48 | SE | 2 | 8 | 29.76 | +.14 | 37 | 36 | -9 | SE | 3 | o | 2 | 52 | 36 | - | * | 0.04 |
| | Paris ... ... ... | 29.95 | 28 | ESE | 2 | o | 29.91 | +.09 | 19 | 19 | +4 | NE | 1 | 8 | * | 30 | 15 | - | * | - |
| | Belfort... ... ... | 29.84 | 19 | ENE | 5 | m | 29.95 | +.04 | 17 | 16 | +3 | ENE | 3 | m | * | 21 | 14 | - | * | - |
| | Lyons... ... ... | 29.85 | 25 | E | 1 | 8c | 29.99 | +.20 | 24 | 23 | 0 | ✕ | 0 | 8 | * | 28 | 23 | - | * | - |
| | Nice ... ... ... | 29.73 | 40 | E | 3 | r | 29.89 | +.18 | 41 | 38 | +3 | E | 1 | 8 | 4 | 46 | 37 | - | * | 0.32 |
| | Perpignan ... ... | 29.66 | 40 | W | 2 | 8 | 29.80 | +.26 | 34 | 34 | -7 | SW | 2 | 8 | * | 51 | 32 | - | * | - |
| SPAN. PEN. | Corunna ... ... | | | | | | | | | | | | | | | | | | * | |
| | Lisbon ... ... | 29.53 | 47 | N | 4 | o | 29.82 | +.23 | 47 | 46 | -3 | N | 4 | 8 | * | 52 | 45 | - | * | 0.20 |
| | Azores (P. Delgada)... | 30.19 | 57 | SW | 5 | o | 30.02 | -.23 | 62 | 60 | +10 | WSW | 6 | o | 5 | 62 | 52 | - | * | - |
| | ,, (Horta) ... | 30.10 | 57 | SW | 6 | r | 29.96 | -.32 | 62 | 61 | +10 | SW | 4 | o | 3 | 62 | 52 | - | * | 0.16 |

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

† *Observations received too late for insertion in Charts on next page.*

# WEATHER CHARTS

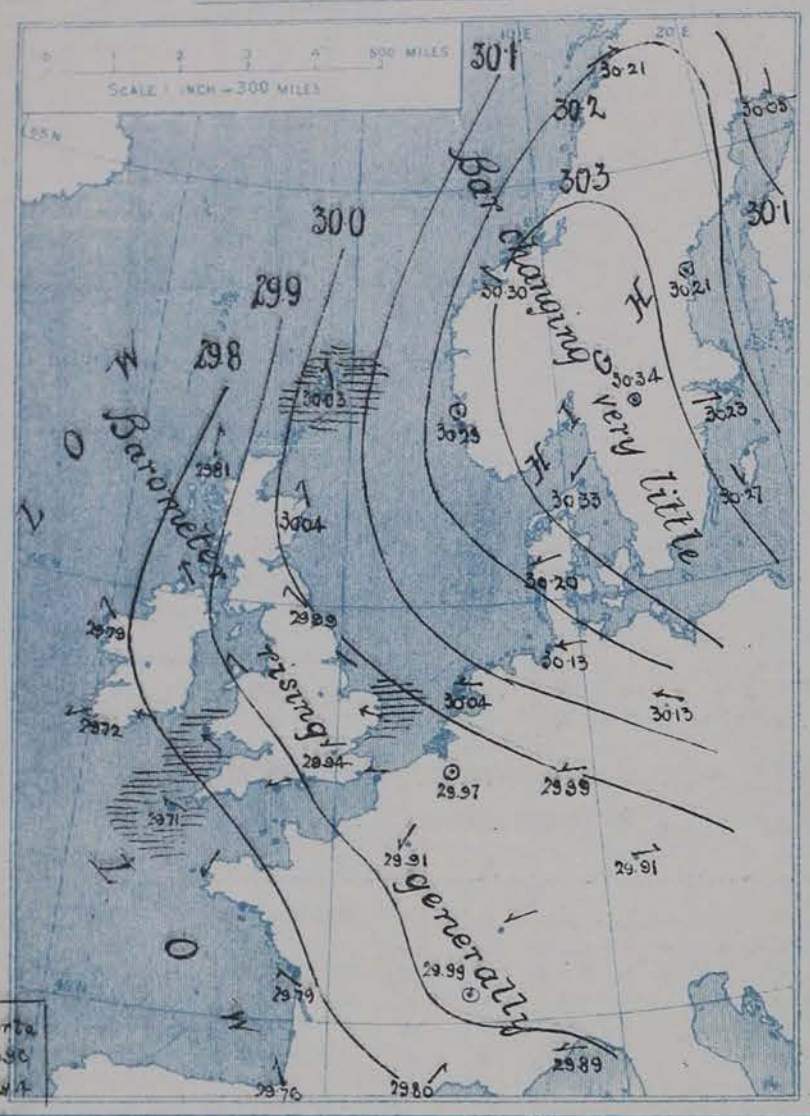
FOR Friday, 1st January, 1904

## I. BAROMETER, WIND AND SEA. *This Morning.*

*BAROMETER.—Isobars are drawn for each tenth of an inch.*
*WIND.—Arrows show Directions and Force, flying with the wind.*

*Force above 10* — *Force 8 to 10* — *Force 5 to 7* — *Force 1 to 4* — } Calm ⊙

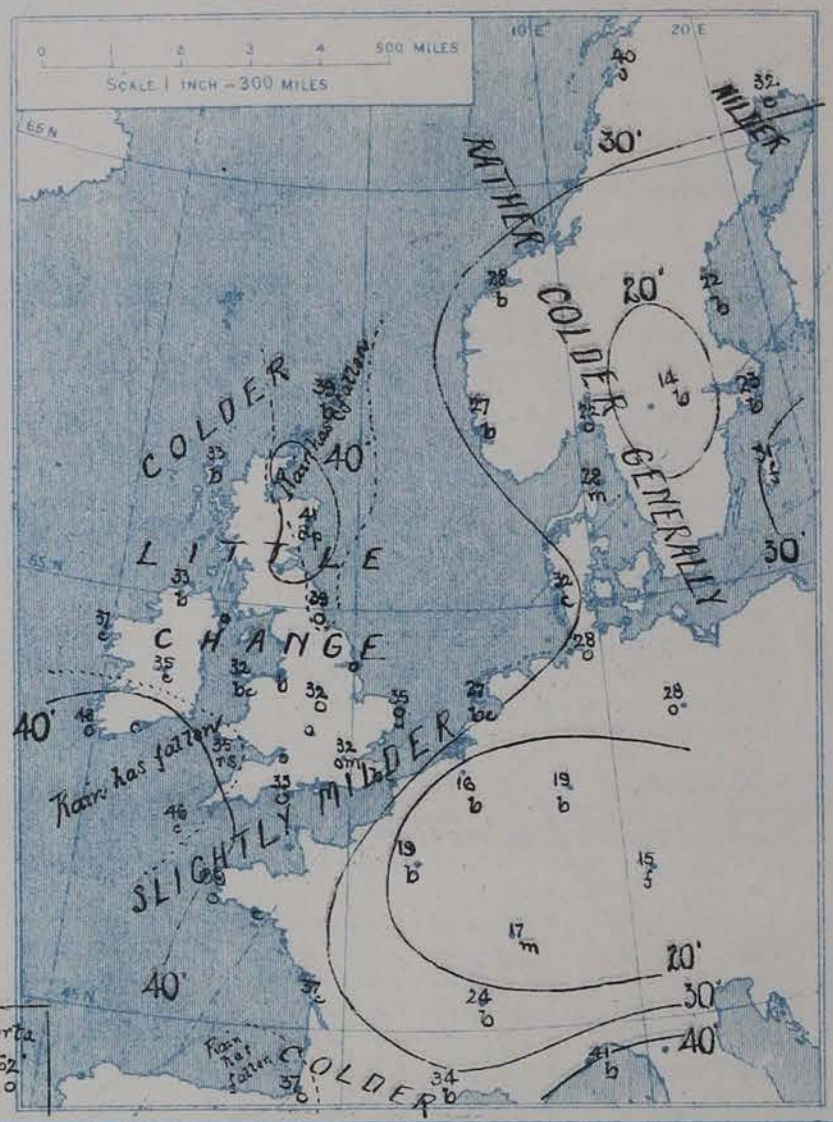
*SEA.—Rough* *High*




## II. TEMPERATURE AND WEATHER. *This Morning.*

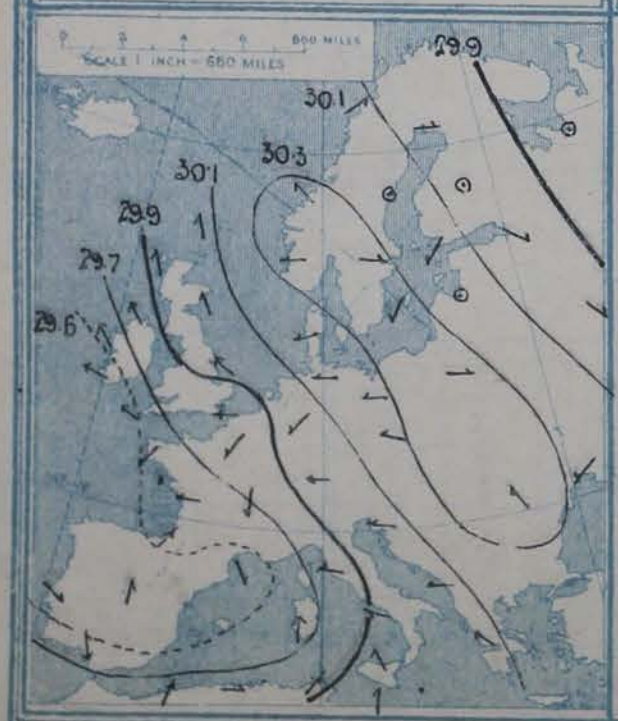
*TEMPERATURE.—Isotherms are drawn for each 10°.*
*WEATHER.—Shown by Letters of the Beaufort Scale.* *(See P. 4.)*

*RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus – 0.6*




## III. BAROMETER AND WIND

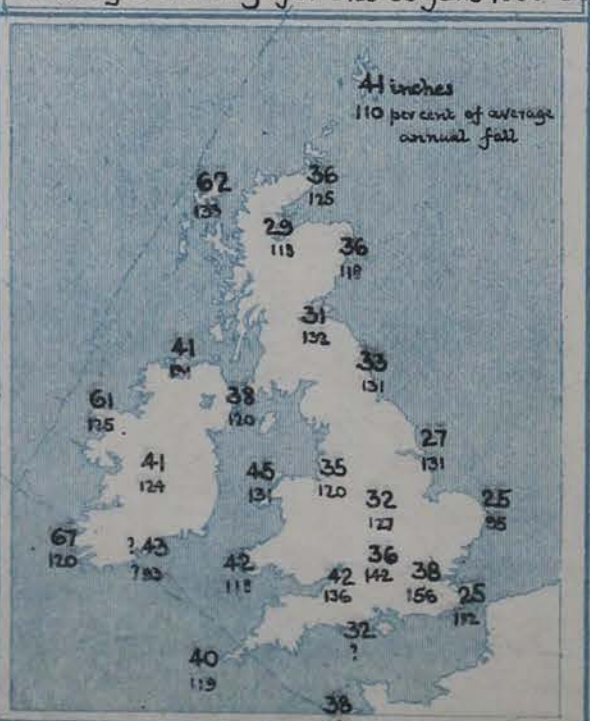
*Yesterday morning.*




## TOTAL RAINFALL IN 1903

at Telegraphic Reporting Stations, in inches, and in percentages of the average annual fall

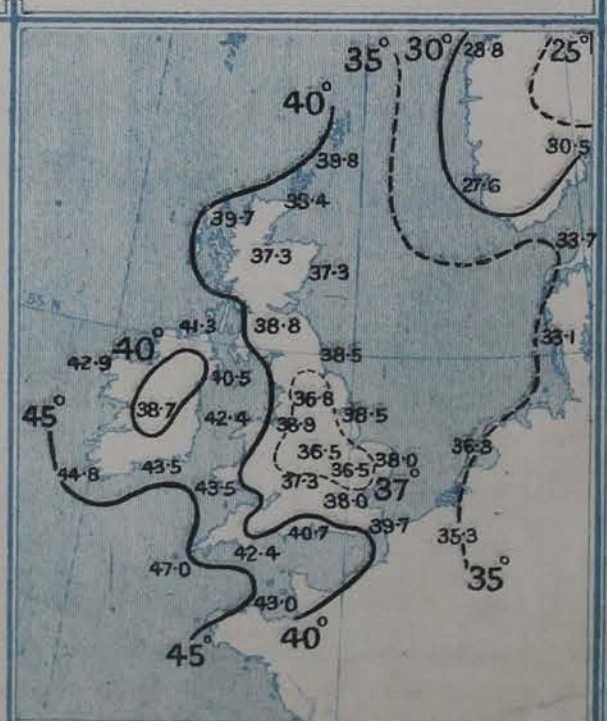
Averages mainly for the 35 years 1866–900




## V. *Means of* DAILY TEMPERATURE

*at 8 A.M. for the Two monthly period*

DECEMBER–JANUARY (1871–1900)



# GENERAL SITUATION AT 8 A.M.

**PRESSURE**

The anticyclone in the east of our area has given way somewhat over northern Germany, but over southern Scandinavia it maintains its position, and has increased slightly in intensity; the highest reading reported this morning is 30·38 ins. at Christiania. Further west the barometer has fallen decidedly; at Valencia it now stands at 29·54 ins. Local irregularities of pressure are shown over the southeast of England and the adjoining parts of the Continent.

**WIND**

An E$^{\text{ly}}$ wind is still blowing over the southern half of our area; in Ireland it has freshened considerably, and at exposed stations in England it is also blowing strongly. In Scotland a moderate wind from the south is being experienced, and in the north of Scandinavia we find a W$^{\text{ly}}$ wind. In the southeast of Sweden, i.e., on the eastern side of the highest pressure, the wind is N$^{\text{ly}}$.

**TEMPERATURE**

**WEATHER**

**AND**

**SEA**

The weather is fine in the region of highest pressure, in the northern part of the British Isles, and also in the north of France and the Netherlands, though showers are reported from several stations on our northeast coast. In the southwest of our Islands and France it is dull, and in the southeast of England much cloud also prevails. Snow is falling at Berlin. A decided rise of temperature has taken place in Ireland and Scotland, at Valencia the thermometer stands at 43°. In England, the changes have been small and the temperature is generally below the freezing point. On the Continent the changes have also been small, but a rise has set in on the extreme eastern boundary of our area. The sea breeze on the northern part of the Norwegian coast keeps the temperature above 40° at Bodö. The sea is rather rough in places exposed to the E$^{\text{ly}}$ winds, moderate or slight elsewhere.

During the past 24 hours a few light showers were experienced on the east coast, and slight rain fell at Valencia. With these exceptions, rainfall in our area was confined to the southwest of France; Perpignan reports 2·64 ins. The amount of bright sunshine experienced varies between 0 and 6 hours. Temperature remained low over the greater part of our Islands; the lowest reading reported is 18° at Nairn.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone over Scandinavia shows no tendency to give way, but over our Islands the barometer is falling. Strong E$^{\text{ly}}$ to SE$^{\text{ly}}$ winds are therefore likely to continue for the present. The rise of temperature which has set in in the west and north will probably spread slowly eastward.

# FORECASTS*

*For the 24 hours ending at NOON on* 1$^{\text{st}}$ JANUARY, 1904.

| DISTRICTS. | FORECASTS. |
|---|---|
| 0 SCOTLAND NORTH | S$^{\text{ly}}$ winds, moderate; weather fair, some showers. |
| 1 SCOTLAND EAST | |
| 2 ENGLAND N.E. | Fresh or strong E$^{\text{ly}}$ to SE$^{\text{ly}}$ winds; some snow showers. Becoming milder later. |
| 3 ENGLAND EAST | |
| 4 MIDLAND COUNTIES | |
| 5 ENGLAND SOUTH | |
| 6 SCOTLAND WEST | Same as Nos. 0 & 1. |
| 7 ENGLAND N.W. | E$^{\text{ly}}$ to SE$^{\text{ly}}$ winds, moderate or fresh; some snow showers. Becoming milder later. |
| 8 ENGLAND S.W. | Same as Nos. 2 to 5. |
| 9 IRELAND NORTH | SE$^{\text{ly}}$ winds, fresh or strong; fair, some showers. |
| 10 IRELAND SOUTH | Fresh or strong E$^{\text{ly}}$ to SE$^{\text{ly}}$ winds; cloudy or dull, some snow or rain. |
| WARNINGS | None issued. |

*Note.*—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.) Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.) Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph; see next page.*

## ADDITIONAL OBSERVATIONS made at Stations in the UNITED KINGDOM.

| TELEGRAPHIC REPORTS TO-DAY. | Yesterday 6 p.m. | | | | | This Morning 8 a.m. | | | | | | | | | Past 24 Hours. | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Bar. Ins. | Temp. ° | Wind Direc^n | Wind Force | Weather. | Barometer. Ins. | Barometer. Change | Temperature Dry. | Temperature Wet. | Temperature Change | Wind Direc^n | Wind Force | Weather. | Sea. | Temperature Max. | Temperature Min. | Weather | Sunshine. Hrs. | Rainfall Ins. |
| Clacton-on-Sea ... ... ... | * | * | * | * | * | * | * | * | * | * | * | * | c | * | 35 | 30 | b, b p | 5·9 | – |
| Bath ... ... ... ... ... | 29·95 | 28 | NE | 3 | 0 | 29·93 | – ·25 | 28 | 28 | 0 | NE | 2 | b | * | 33 | 24 | – | 2·0 | – |

## REPORTS FOR YESTERDAY.

| STATIONS. | Temperture F. Max. | Temperture F. Min. | Weather. | Sunshine. Hrs. | Rainfall. Ins. | STATIONS. | Temperature F. Max. | Temperature F. Min. | Weather. | Sunshine. Hrs. | Rainfall. Ins. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | ° | ° | | | | | ° | ° | | | |
| Southport, to 9 p.m.... ... | 35 | 26 | b | 0·0 | – | Broadstairs... ... ... ... | * | * | * | | * |
| Rhyl, to 6 p.m. ... ... ... | * | * | * | 1·3 | * | Margate ... ... ... ... | 33 | 29 | b | 5·0 | – |
| Llandudno... ... ... ... | * | * | * | 0·4 | * | Lowestoft, to 6 p.m.... ... | 35 | 33 | bc, b | 5·0 | – |
| Bettws-y-Coed, to 6 p.m. ... | 34 | 20 | b, c, b | 0·3 | * | Skegness ... ... ... ... | * | * | * | 5·6 | * |
| Aberystwyth, to 6 p.m. ... | 36 | 30 | bc | 5·0 | – | Scarborough, to 6 p.m. ... | 38 | * | * | 0·0 | * |
| Plymouth, to 9 p.m.... ... | 35 | 29 | o | 0·0 | – | Harrogate, to 6 p.m. ... | 34 | 23 | bc | 3·8 | – |
| Worthing ... ... ... ... | * | * | * | 4·9 | * | Manchester, to 9 p.m. ... | 39 | 27 | b | 0·0 | – |
| Brighton ... ... ... ... | 32 | * | * | 4·2 | * | Darwen, to 9 p.m. ... .. | 33 | 25 | om, c, b | 0·0 | – |
| Eastbourne, to 6 p.m. ... | 33 | * | * | 4·5 | * | Birmingham, to 9 p.m. ... | 33 | 26 | c, o, c, b | 0·0 | – |
| Hastings ... ... ... ... | * | * | * | 5·0 | * | | | | | | |

## TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

| STATIONS. 30th Decr 1903. | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. | STATIONS. | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|---|---|---|---|---|
| Copenhagen ... ... ... | 32 | 28 | o, m | – | Algiers ... ... ... ... | 57 | 48 | o, o | 0·08 |
| Utrecht... ... ... ... ... | 28 | 18 | c, b | – | Tunis ... ... ... ... | 55 | 37 | c, c | – |
| Groningen ... ... ... ... | 37 | 21 | bc, c | – | Madeira (Funchal) ... ... | Not | recd | | |
| Vienna ... ... ... ... ... | 19 | 18 | o, o | – | 29th Decr 1903. | 1 p.m. | | 1 p.m. | Measured 7 a.m. |
| Marseilles ... ... ... ... | 48 | 43 | f, o | 0·08 | Geneva ... ... ... ... | 28 | * | s | – |
| Florence ... ... ... ... | 49 | 40 | o, b | – | Berne ... ... ... ... | 19 | * | o | – |
| Rome ... ... ... ... ... | 51 | 41 | o, c | 0·08 | Coire ... ... ... ... | 28 | * | bc | – |
| Naples ... ... ... ... ... | 51 | 44 | f, f | 0·28 | Castasegna ... ... ... | 32 | * | s | 0·04 |
| Palermo ... ... ... ... | 60 | 38 | o, b | 0·04 | Lugano ... ... ... ... | 34 | * | s | – |
| Malta ... ... ... ... ... | 60 | 50 | c | 0·04 | Davos ... ... .. ... | 27 | * | bc | – |

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

### TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

| COUNTRIES, &c. | Hours of Morning Observations by Local Standard Time. | Corresponding Greenwich Times. | Hours of Evening Observations by Local Standard. | Corresponding Greenwich Times. |
|---|---|---|---|---|
| British Isles, Belgium† ... | 8 a.m. (West European) | 8 a.m. | 6 p.m.‡ (W.E.T.) | 6 p.m. |
| Holland ... ... ... ... ... | 8 a.m. ( " " ) | 8 a.m. | 7 p.m. (W.E.T.) | 7 p.m. |
| Germany, Denmark, Norway, Sweden | 8 a.m. (Mid-European) | 7 a.m. | 8 p.m. (M.E.T.) | 7 p.m. |
| France ... ... ... ... ... | 7 a.m. (Paris) ... ... | 6.51 a.m. | 6 p.m. (Paris) | 5.51 p.m. |
| Spain ... ... ... ... ... | 8 a.m. (West European) | 8 a.m. | 6 p.m. (W.E.T.) | 6 p.m. |
| Portugal ... ... ... ... ... | 8 a.m. (Lisbon) ... ... | 8.36 a.m. | 3.23 p.m. (Lisbon) | 4 p.m. |
| Azores { Ponta Delgada ... ... | 6 a.m. (Local) ... ... | 7.43 a.m. | 9 p.m. (Local) | 10.43 p.m. |
| Azores { Horta ... ... ... | 6 a.m. (Local) ... ... | 7.55 a.m. | 9 p.m. (Local) | 10.55 p.m. |

### TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

| 31st Decr 1903. | Sunrise G.M.T. | Noon G.M.T. | Sunset G.M.T. |
|---|---|---|---|
| Yarmouth ... ... ... | 8.6 | 11.56 | 3.46 |
| Greenwich ... ... ... | 8.8 | 12.3 | 3.58 |
| Wick ... ... ... ... | 9.5 | 12.15 | 3.25 |
| Valencia ... ... ... | 8.51 | 12.44 | 4.37 |

*SUBSCRIPTIONS both for the* Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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" Weekly " " " £1 10 0 " Single Copies, 6d.

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FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

# GENERAL SITUATION AT 8 A.M.

**PRESSURE**

The barometer remains highest over Scandinavia, but this morning's readings in that region are slightly lower than those of yesterday. In the southern part of our Islands and over France pressure has increased and consequently the gradient has become less steep. In the north, a slight fall occurred during the night, but this has now ceased.

**WIND**

The E^ly wind over central Europe and the south of England has moderated considerably, but it still blows freshly at Yarmouth and also in the extreme west of England. Over the northern half of the Kingdom, the wind is SE^ly or S^ly and moderate in intensity. The weather is dull over England and Ireland and in the west of France. Sleet is reported from Pembroke. In Scotland and the north of England and Ireland most stations report clear sky, but at Aberdeen showers of drizzling rain are falling.

**TEMPERATURE**

Temperature has fallen rather decidedly at Stornoway, elsewhere it has changed little; in Ireland and Scotland it remains moderate, but over the greater part of England it remains low. Sharp frost is still being experienced on the Continent, but in the north of Norway a SW wind keeps the thermometer at about 40°.

**WEATHER AND SEA**

The sea is moderate generally, but still rather rough off Yarmouth, Scilly and Sumburgh Head.

During the past 24 hours temperature remained very low in the south and southeast of England. The lowest reading reported is 24° at Dungeness; at Oxford and Bath the thermometer did not rise above 30° and 31° respectively. At Scilly on the other hand, 46° was reached during the day. The amounts of sunshine experienced were generally small, the maximum amount reported is 4 hours at Aberystwyth. Rainfall was confined to a few showers on the east coast of Scotland, and in the extreme southwest of England and Ireland.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no indications of any important change in the conditions now prevailing. The rise of the barometer in the west, and the slight fall which is in progress in the east, are causing the gradient to become less steep over our Islands, so that the E^ly wind will be less strong than of late.

# FORECASTS*

*For the 24 hours ending at NOON on* 2nd JANUARY, 1904.

| DISTRICTS. | FORECASTS. |
|---|---|
| 0 SCOTLAND NORTH | Moderate S^ly to SE^ly winds; fair generally, some showers in the east. Moderate temperature. |
| 1 SCOTLAND EAST | |
| 2 ENGLAND N.E. | Moderate or light NE^ly winds; cloudy or dull, cold. |
| 3 ENGLAND EAST | Moderate or light E^ly winds; cloudy or dull, remaining cold. |
| 4 MIDLAND COUNTIES | |
| 5 ENGLAND SOUTH | |
| 6 SCOTLAND WEST | Moderate S^ly winds; fair generally. |
| 7 ENGLAND N.W. | Moderate or light SE^ly winds; fair, cold. |
| 8 ENGLAND S.W | Moderate or fresh E^ly or SE^ly winds; cloudy or dull, some showers of rain or sleet. |
| 9 IRELAND NORTH | SE^ly winds, moderate or fresh; fair generally. |
| 10 IRELAND SOUTH | Same as No. 8. |
| WARNINGS | None issued. |

*Note.*—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph; see next page.*

# REPORTS FOR YESTERDAY.

| STATIONS. | Temperature F. Max. | Temperature F. Min. | Weather. | Sunshine. Hrs. | Rainfall. Ins. |
|---|---|---|---|---|---|
| Blackpool, to 9 p.m. ... ... | | | | | |
| Southport, to 9 p.m. ... ... | | | | | |
| Rhyl, ... ... ... ... ... ... | * | * | * | 0·3 | * |
| Llandudno ... ... ... ... | * | * | * | 2·3 | * |
| Bettws-y-Coed, to 6 p.m. ... | 32 | 29 | o, c, bc | 0·9 | * |
| Aberystwyth, to 6 p.m. ... | 36 | 29 | bc | 4·0 | – |
| Plymouth, to 9 p.m. ... ... | 35 | 32 | bc, og | 0·0 | – |
| Bournemouth to 6 p.m. ... | | | | | |
| Worthing ... ... ... ... | * | * | * | 1·8 | * |
| Brighton ... ... ... ... | 29 | * | * | 1·2 | * |
| Eastbourne, to 6 p.m. ... | 32 | * | * | 2·5 | * |

| STATIONS. | Temperature F. Max. | Temperature F. Min. | Weather. | Sunshine. Hrs. | Rainfall. Ins. |
|---|---|---|---|---|---|
| Hastings ... ... ... ... | * | * | * | 3·2 | * |
| Broadstairs... ... ... ... | * | * | * | | * |
| Margate ... ... ... ... | 32 | * | o, b | 2·7 | * |
| Lowestoft, to 6 p.m. ... ... | 35 | 31 | bc, o | 0·0 | – |
| Skegness ... ... ... ... | * | * | * | 0·0 | * |
| Scarborough, to 6 p.m. ... | 39 | * | * | 0·0 | * |
| Harrogate, to 6 p.m. ... | 34 | 28 | bc | 0·0 | – |
| Manchester, to 9 p.m. ... | 37 | 31 | b, o | 0·0 | – |
| Darwen, to 9 p.m. ... .. | 32 | 28 | o, cm, om | 0·0 | – |
| Birmingham, to 9 p.m. ... | 30 | 26 | o | 0·0 | – |

## TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

| STATIONS. 31st Decr. 1903 | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|
| Copenhagen ... ... ... | 34 | 28 | f, m | – |
| Utrecht... ... ... ... ... | 28 | 19 | c, b | – |
| Groningen ... ... ... ... | 30 | 21 | bc, bc | – |
| Vienna ... ... ... ... ... | 19 | 18 | f, o | 0·04 |
| Marseilles ... ... ... ... | 50 | 45 | o, o | 0·28 |
| Florence ... ... ... ... | 48 | 42 | o, r | 0·12 |
| Rome ... ... ... ... ... | 53 | 48 | o, blr | 0·20 |
| Naples ... ... ... ... ... | 52 | 45 | o, bc | 0·12 |
| Palermo ... ... ... ... | 64 | 43 | bc, r | 0·08 |
| Malta ... ... ... ... ... | 61 | 51 | c | – |

| STATIONS. | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|
| Algiers ... ... ... ... | 61 | 48 | o, r | 0·08 |
| Tunis ... ... ... ... | 61 | 45 | bc, b | – |
| Madeira (Funchal) ... ... | Not | rec^d. | | |
| 30th Decr. 1903. | 1 p.m. | | 1 p.m. | Measured 7 a.m. |
| Geneva ... ... ... ... | 25 | * | m | – |
| Berne ... ... ... ... | 19 | * | o | – |
| Coire ... ... ... ... | 25 | * | b | – |
| Castasegna ... ... ... | 32 | * | bc | – |
| Lugano ... ... ... ... | 36 | * | o | 0·39 |
| Davos ... ... .. ... | 18 | * | b | – |

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog, g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

### TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

| COUNTRIES, &c. | Hours of Morning Observations by Local Standard Time. | Corresponding Greenwich Times. | Hours of Evening Observations by Local Standard. | Corresponding Greenwich Times. |
|---|---|---|---|---|
| British Isles, Belgium† ... | 8 a.m. (West European) | 8 a.m. | 6 p.m.‡ (W.E.T.) | 6 p.m.‡ |
| Holland ... ... ... ... ... | 8 a.m. ( „ „ ) | 8 a.m. | 7 p.m. (W.E.T.) | 7 p.m. |
| Germany, Denmark, Norway, Sweden | 8 a.m. (Mid-European) | 7 a.m. | 8 p.m. (M.E.T.) | 7 p.m. |
| France ... ... ... ... ... | 7 a.m. (Paris) ... ... | 6.51 a.m. | 6 p.m. (Paris) | 5.51 p.m. |
| Spain ... ... ... ... ... | 8 a.m. (West European) | 8 a.m. | 6 p.m. (W.E.T.) | 6 p.m. |
| Portugal ... ... ... ... ... | 8 a.m. (Lisbon) ... ... | 8.36 a.m. | 3.23 p.m. (Lisbon) | 4 p.m. |
| Azores { Ponta Delgada ... ... | 6 a.m. (Local) ... ... | 7.43 a.m. | 9 p.m. (Local) | 10.43 p.m. |
| Azores { Horta ... ... ... | 6 a.m. (Local) ... ... | 7.55 a.m. | 9 p.m. (Local) | 10.55 p.m. |

### TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

| 1st Jany. 1904. | Sunrise G.M.T. | Noon G.M.T. | Sunset G.M.T. |
|---|---|---|---|
| Yarmouth ... ... ... | 8.6 | 11.57 | 3.48 |
| Greenwich ... ... ... | 8.8 | 12.4 | 4.0 |
| Wick ... ... ... ... | 9.5 | 12.16 | 3.27 |
| Valencia ... ... ... | 8.51 | 12.45 | 4.38 |

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† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

# DAILY WEATHER REPORT

*for 8 a.m. on* Saturday, 2nd January, 1904.

*Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London.* **W. N. SHAW, Secretary.**

| | STATIONS | YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins. | Temp. Dry Bulb. ° | Wind. Direc. | Wind. Force (0 to 12.) | Weather | THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins. | Change since Yesterday. Ins. | Temperature. Dry Bulb. ° | Wet Bulb. ° | Change since Yesterday. ° | Wind. Direc. | Wind. Force (0 to 12.) | Weather. | Sea (0 to 9.) | PAST 24 HOURS. Temp. Max. ° | Temp. Min. ° | Weather | Sunshine Hours. | Rainfall Ins. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SCANDINAVIA | Haparanda... ... | 30·27 | 25 | N | 2 | o | 30·31 | +·26 | 26 | 25 | − 6 | SW | 2 | 3c | * | 32 | 16 | – | * | – |
| | Hernösand ... ... | 30·32 | 18 | Z | o | 3 | 30·39 | +·18 | 13 | 12 | − 9 | Z | o | 3 | * | 27 | 13 | – | * | – |
| | Stockholm ... ... | 30·28 | 24 | Z | o | f | 30·36 | +·13 | 30 | 29 | + 7 | NW | 2 | f | * | 30 | 21 | – | * | – |
| | Wisby... ... ... | 30·23 | 33 | N | 6 | o | 30·32 | +·05 | 32 | 30 | + 1 | E | 2 | 3c | * | 36 | 30 | – | * | – |
| | Karlstad ... ... | 30·32 | 14 | Z | o | 3 | 30·38 | +·04 | 19 | 18 | + 5 | NE | 2 | f | * | * | * | – | * | – |
| | Færder (X'iania Fjord) | 30·32 | 23 | N | o | 3c | 30·33 | −·01 | 25 | 24 | + 3 | NE | 4 | c | 2 | 25 | 19 | – | * | – |
| | Bodö ... ... ... | 30·25 | 38 | SW | 2 | 3c | 30·28 | +·07 | 35 | 33 | − 5 | Z | o | o | 1 | 40 | 34 | – | * | 0·04 |
| | Christiansund ... | 30·32 | 27 | ESE | 1 | 3 | 30·24 | −·06 | 25 | 24 | − 3 | ESE | 1 | 3 | 3 | 28 | 25 | – | * | – |
| | Skudesnaes ... | 30·29 | 26 | SE | 2 | 3 | 30·24 | −·05 | 30 | 29 | + 3 | SE | 2 | 3 | 2 | 32 | 26 | 3 | * | – |
| BRITISH ISLANDS | Sumburgh Head | 30·06 | 39 | SE | 4 | o | 29·93 | −·15 | 40 | 37 | + 1 | SE | 5 | o | 6 | 41 | 37 | c, o | * | 0·04 |
| | Stornoway ... ... | 29·90 | 34 | Z | o | om | 29·73 | −·08 | 41 | 38 | + 8 | SE | 5 | 3 | 5 | 41 | 29 | 3m, om | 1·4 | – |
| | Malin Head ... | 29·83 | 35 | SSE | 4 | 3cm | 29·58 | −·28 | 38 | 37 | + 5 | SE | 6 | ogm | 4 | 38 | 33 | 3, 3cm | * | – |
| | Blacksod Pt. ... | 29·73 | 39 | SE | 5 | cm | 29·42 | −·37 | 42 | 40 | + 5 | SE | 5 | c | 4 | 42 | 36 | 3cm, cm | * | 0·01 |
| | Valencia ... ... | 29·74 | 45 | S | 3 | c | 29·41 | −·31 | 47 | 44 | + 4 | SSE | 7 | ru | 6 | 48 | 42 | c | 0·5 | 0·01 |
| | Roche's Point ... | 29·80 | 46 | S | 3 | 3p | 29·58 | −·19 | 47 | 45 | + 3 | S | 7 | o | 5 | 47 | 43 | o, 3p | * | 0·05 |
| | Parsonstown ... | 29·82 | 40 | E | 4 | o | 29·60 | −·24 | 42 | 41 | + 7 | SE | 3 | c | * | 43 | 34 | o, r | 0·2 | 0·08 |
| | Donaghadee ... | 29·91 | 40 | SSE | 3 | o | 29·79 | −·12 | 40 | 39 | + 1 | SSE | 5 | og | 4 | 40 | 37 | – | * | – |
| | Liverpool Obsy... | 29·97 | 32 | SE | 3 | o | 29·89 | −·06 | 33 | 31 | + 4 | SE | 5 | o | ? | 33 | 29 | – | * | – |
| | Holyhead ... ... | 29·90 | 36 | SE | 1 | om | 29·78 | −·10 | 37 | 36 | + 5 | ESE | 2 | om | 1 | 37 | 30 | c, om | * | – |
| | Pembroke (St Ann's) | 29·88 | 37 | ESE | 6 | o | 29·75 | −·07 | 43 | 42 | + 8 | SE | 7 | oggm | 5 | 43 | 35 | o, rsp | 0·0 | 0·04 |
| | Scilly (St. Mary's) ... | 29·82 | 49 | SSE | 3 | c | 29·72 | +·01 | 48 | 45 | + 2 | S | 3 | c | 5 | 52 | 44 | c | 0·0 | 0·01 |
| | Jersey (St. Aubins) ... | | | | | | | | | | | | | | | | | | | |
| | Portland Bill ... | 29·92 | 37 | ENE | 4 | o | 29·90 | +·07 | 44 | 44 | + 11 | SSE | 3 | c | 3 | 45 | 32 | o | * | 0·01 |
| | Dungeness ... ... | 29·98 | 33 | ESE | 4 | 3c | 30·01 | +·06 | 37 | 35 | + 5 | ESE | 3 | m | 2 | 37 | 31 | 3c | 2·0 | – |
| | Wick ... ... ... | 29·94 | 40 | SSE | 4 | o | 29·81 | −·19 | 39 | 37 | − 2 | SSE | 4 | o | 3 | 44 | 36 | – | * | – |
| | Nairn ... ... ... | 29·94 | 30 | Z | o | 3 | 29·81 | −·16 | 38 | 35 | + 2 | E | 1 | c | 1 | 40 | 29 | – | * | – |
| | Aberdeen ... ... | 30·01 | 40 | SSE | 4 | opg | 29·92 | −·12 | 39 | 37 | − 2 | SSE | 5 | og | 3 | 41 | 38 | o, ogp | 0·0 | 0·03 |
| | Leith ... ... ... | 29·95 | 33 | E | 1 | 3 | 29·87 | −·09 | 34 | 32 | − 6 | ESE | 2 | o | * | 40 | 30 | 3, sp | * | 0·01 |
| | North Shields ... | 30·02 | 37 | SE | 3 | o | 29·94 | −·05 | 34 | 33 | − 5 | SSE | 3 | om | 3 | 39 | 33 | o | * | – |
| | Spurn Head .. | 30·02 | 36 | ESE | 4 | o | 29·96 | −·02 | 36 | 35 | − 1 | SSE | 5 | o | 3 | 38 | 34 | – | * | – |
| | Yarmouth ... ... | 30·00 | 34 | ESE | 6 | cg | 30·00 | +·05 | 36 | 34 | + 1 | SSE | 5 | c | 4 | 36 | 33 | c, cg | * | – |
| | Clacton-on-Sea ... | 30·03 | 34 | ENE | 4 | o | 30·03 | +·06 | 34 | 33 | 0 | E | 4 | c | 4 | 35 | 33 | – | 0·2 | – |
| | Nottingham ... | 30·02 | 32 | ESE | 1 | o | 29·97 | ·00 | 33 | 32 | + 1 | ESE | 1 | s | * | 33 | 31 | o | 0·0 | 0·01 |
| | Bath ... ... ... | 29·95 | 33 | NE | 2 | o | 29·90 | −·01 | 34 | 34 | + 5 | NE | 1 | o | * | 35 | 29 | – | 0·0 | 0·02 |
| | Oxford ... ... | 30·03 | 33 | E | 2 | o | 29·96 | −·01 | 32 | 31 | + 2 | E | 1 | o | * | 34 | 30 | – | * | – |
| | London (Brixton) ... | 30·00 | 34 | ESE | 2 | o | 29·99 | +·05 | 32 | 31 | 0 | ESE | 1 | odgm | * | 36 | 27 | om, od | 0·0 | 0·04 |
| GERMANY, &c. | The Scaw (Skagen) | 30·32 | 29 | ENE | 1 | c | 30·29 | −·04 | 26 | 26 | − 2 | ESE | 3 | f | 1 | 30 | 25 | – | * | – |
| | Fanö ... ... ... | ?30·19 | 32 | E | 3 | o | 30·19 | −·01 | 31 | 28 | − 1 | ESE | 2 | o | * | 36 | 30 | – | * | – |
| | Cuxhaven ... ... | 30·11 | 30 | E | 5 | o | 30·16 | +·03 | 30 | 29 | + 2 | SE | 1 | o | * | 30 | 28 | – | * | – |
| | The Helder ... | 30·05 | 29 | E | 2 | o | 30·09 | +·05 | 29 | 28 | + 2 | E | 1 | o | o | 30 | 27 | – | * | – |
| | Brussels ... ... | * | * | * | * | * | 30·10 | +·13 | 21 | 20 | + 5 | ESE | 1 | c | * | 25 | 15 | – | * | – |
| | Berlin ... ... ... | 30·13 | ? | SE | 3 | o | 30·24 | +·11 | 29 | 28 | + 1 | SE | 2 | o | * | 30 | 27 | – | * | – |
| | Frankfürt ... ... | 30·13 | 22 | E | 2 | 3 | 30·21 | +·22 | 18 | 18 | − 1 | E | 1 | 3 | * | 28 | 16 | – | * | – |
| | Munich ... ... | 30·06 | 18 | Z | o | f | 30·17 | +·26 | 15 | 15 | 0 | SE | 4 | 3 | * | 23 | 14 | – | * | – |
| FRANCE. | C. Gris Nez ... | 29·97 | 24 | ENE | 3 | m | 29·95 | +·09 | 30 | 30 | + 6 | E | 2 | m | 2 | 30 | ? | – | * | – |
| | Brest ... ... ... | 29·93 | 44 | E | 2 | c | 29·85 | +·11 | 43 | 43 | + 4 | E | 3 | o | 5 | 45 | 39 | – | * | – |
| | Lorient ... ... | 29·92 | 45 | E | 4 | c | 29·92 | +·15 | 43 | 41 | + 6 | SSE | 3 | m | 5 | 46 | 37 | – | * | – |
| | Rochefort ... ... | 29·92 | 44 | SE | 3 | o | 29·98 | +·19 | 44 | 42 | + 7 | SSW | 3 | c | * | 46 | 36 | o | * | – |
| | Biarritz ... ... | 29·96 | 48 | Z | o | m | 30·07 | +·31 | 49 | 45 | +12 | S | 3 | o | 5 | 48 | 37 | – | * | – |
| | Paris ... ... ... | 29·99 | 26 | ENE | 2 | 3 | 30·06 | +·15 | 22 | 22 | + 3 | ENE | 1 | 3 | * | 32 | 19 | – | * | – |
| | Belfort... ... ... | 30·03 | 31 | ENE | 2 | m | 30·17 | +·22 | 23 | 23 | + 6 | ENE | 2 | m | * | 37 | 17 | – | * | – |
| | Lyons ... ... ... | 30·08 | 34 | W | 1 | 3 | 30·19 | +·20 | 28 | 27 | + 4 | W | 1 | 3 | * | ? | 24 | – | * | – |
| | Nice ... ... ... | 30·00 | 46 | Z | o | 3 | 30·10 | +·21 | 38 | 36 | − 3 | Z | o | 3 | 5 | 54 | 37 | – | * | – |
| | Perpignan ... ... | 29·94 | 43 | SW | 2 | o | 30·08 | +·28 | 41 | 40 | + 7 | SW | 1 | o | * | 54 | 34 | – | * | 0·04 |
| SPAN. PEN. | Corunna ... ... | | | | | | | | | | | | | | | | | | * | |
| | Lisbon ... ... | 30·07 | 49 | N | 2 | 3c | 30·09 | +·27 | 47 | 46 | 0 | S | 2 | r | * | 54 | 46 | – | * | 0·39 |
| | Azores (P. Delgada)... | 30·00 | 63 | WSW | 5 | m | 29·99 | −·03 | 62 | 61 | 0 | WSW | 1 | m | 4 | 64 | 59 | – | * | 0·20 |
| | ,, (Horta) ... | 29·95 | 59 | SW | 4 | o | 29·93 | −·03 | 60 | 58 | − 2 | SSW | 4 | o | 2 | 64 | 54 | – | * | 0·04 |

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

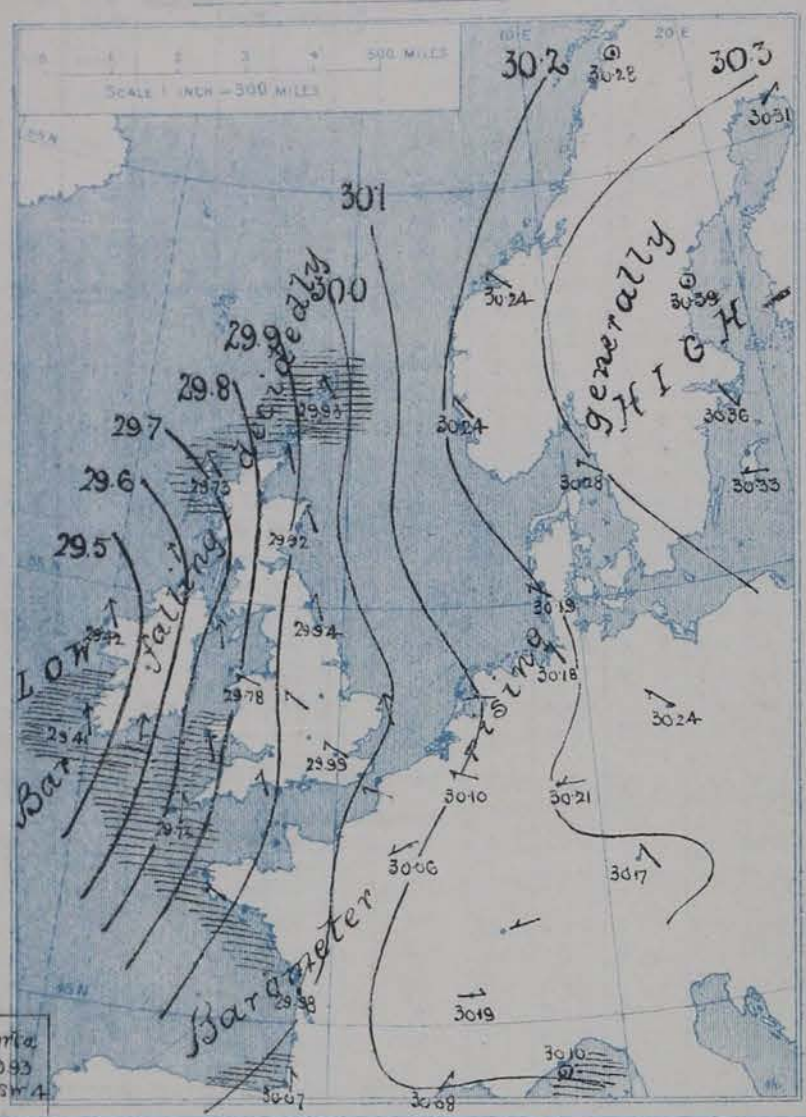
† *Observations received too late for insertion in Charts on next page.*

# WEATHER CHARTS

FOR Saturday, 2nd January, 1904.

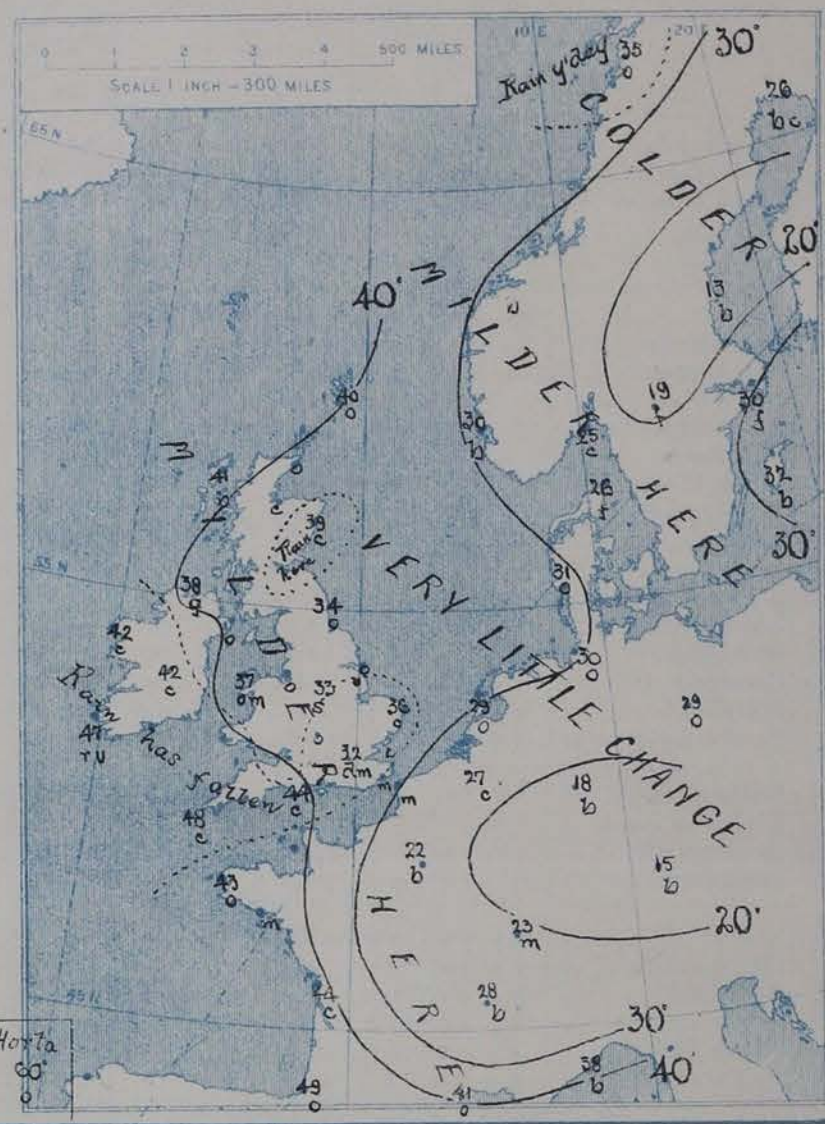
## I. BAROMETER, WIND AND SEA. *This Morning.*

*BAROMETER — Isobars are drawn for each tenth of an inch.*
*WIND — Arrows show Directions and Force, flying with the wind.*
*Force above 10* — *Force 8 to 10* — *Force 5 to 7* — *Force 1 to 4* — Calm ⊙
*SEA — Rough* — *High*




## II. TEMPERATURE AND WEATHER. *This Morning.*

*TEMPERATURE — Isotherms are drawn for each 10°*
*WEATHER — Shown by Letters of the Beaufort Scale.* *(See P. 4.)*
*RAINFALL — A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus - 0·6*




## III. BAROMETER AND WIND

*Yesterday morning.*

## IV. GREATEST AND LEAST MONTHLY RAINFALL IN JANUARY

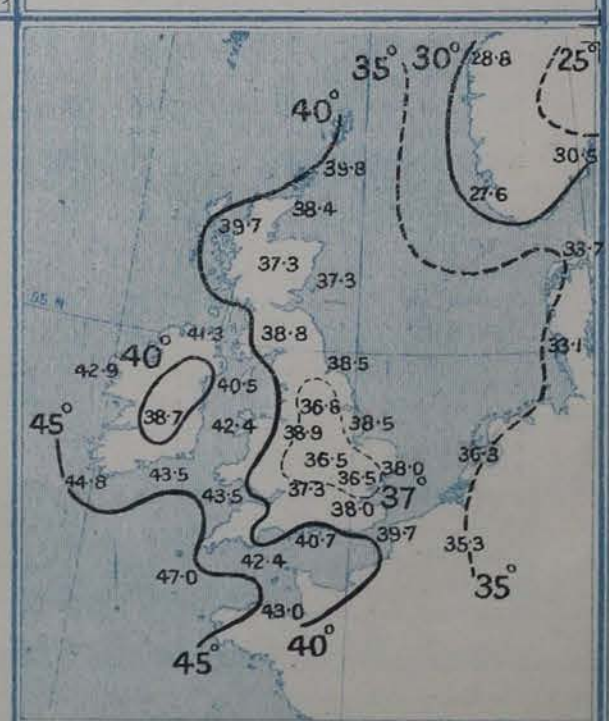
*During the 33 Years 1871-1903.*

*Specimen (for London)* { *Greatest Rainfall* 4·69 (in 1871); *Least ... Do.* ..... 0·37 (in 1880)

## V. *Means of* DAILY TEMPERATURE

*at 8 A.M. for the Two monthly period*

DECEMBER-JANUARY (1871-1900)



# GENERAL SITUATION AT 8 A.M.

**PRESSURE**

The highest pressure system in the northeast of our area which has been the most marked feature of our weather for the last few days has receded eastward, and a disturbance which promises to be of considerable depth has appeared off our western coasts. The highest reading of the barometer reported this morning is 30·39 ins. at Aemossand and the lowest is 29·41 ins at Valencia. Over France and Germany pressure has increased since yesterday.

**WIND**

Over the greater part of our Islands the wind has become S^ly and has increased considerably in intensity. Over our extreme southeastern counties and over France and Germany a light E^ly wind still prevails. In Scandinavia the wind is light and variable but the prevailing direction is E^ly.

**TEMPERATURE**

**WEATHER**

**AND**

**SEA**

The weather is dull in our Islands and the west of France; rain is reported from Valencia, and snow from Nottingham. In London a drizzling rain is falling. On the Continent the weather is fine generally; much fog prevails over central Scandinavia. Temperature has risen decidedly in the west of our Islands and of France; the east of England has not yet experienced this change, and in the east of Scotland todays readings are somewhat lower than those of yesterday. On the Continent the changes have been slight generally and temperature remains low; in the extreme north of Scandinavia the sea breeze has dropped and temperature has fallen. The sea is rough on all our western coasts, moderate in the southern part of the North Sea, slight elsewhere.

During the past 24 hours temperature again remained low in the east of England; the lowest reading experienced at any of our stations was 27° in London. In the west of England much milder conditions prevailed. Scilly reports a minimum of 44° and a maximum of 52°. Small amounts of rain, sleet or snow, fell at a number of stations. The amount of bright sunshine was everywhere small.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The disturbance which has appeared in the west will probably advance in a direction somewhat east of north, and cause an increase of the wind from between SE and SW generally, with gales in the west. Rain, snow, or sleet, and a rise in temperature may be expected generally.

# FORECASTS*

*For the 24 hours ending at NOON on* 3^RD JANUARY, 1904.

| DISTRICTS. | FORECASTS. |
|---|---|
| 0 SCOTLAND NORTH | SE^ly to SW^ly winds, strong, a gale in places; some rain or snow. Warmer. |
| 1 SCOTLAND EAST | SE^ly to SW^ly winds, fresh or strong to a gale; dull, some rain or snow. Temperature rising. |
| 2 ENGLAND N.E. | |
| 3 ENGLAND EAST | SE^ly to S^ly winds, increasing in force; dull & damp, some rain or snow. Becoming warmer. |
| 4 MIDLAND COUNTIES | |
| 5 ENGLAND SOUTH | |
| 6 SCOTLAND WEST | Same as No. 0. |
| 7 ENGLAND N.W. | |
| 8 ENGLAND S.W | S^ly to SW^ly winds, strong, a gale in places; dull, some rain. |
| 9 IRELAND NORTH | S^ly to SW^ly winds, strong, a gale in places; dull, some rain or sleet. |
| 10 IRELAND SOUTH | |
| WARNINGS | at 9.50 a.m today to districts 0, 1 and 6 to 10 "Hoist South Cone." |

*Note.*—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

# REPORTS FOR YESTERDAY.

| STATIONS. | Temperature F. Max. | Temperature F. Min. | Weather. | Sunshine. Hrs. | Rainfall. Ins. |
|---|---|---|---|---|---|
| Blackpool, to 9 p.m. ... ... | 34 | 28 | c, m | 0·0 | – |
| Southport, to 9 p.m. ... ... | 33 | 27 | o, b c | 0·0 | – |
| Rhyl, ... ... ... ... ... | * | * | * | 0·5 | * |
| Llandudno ... ... ... ... | * | * | * | 0·0 | * |
| Bettws-y-Coed, to 6 p.m. ... | 36 | 22 | o, b c, o | 0·0 | * |
| Aberystwyth, to 6 p.m. ... | 38 | 32 | c | 3·0 | – |
| Plymouth, to 9 p.m. ... ... | 40 | 30 | o | 0·0 | 0·01 |
| Bournemouth to 6 p.m. ... | | | | | |
| Worthing ... ... ... ... | * | * | * | 1·5 | * |
| Brighton ... ... ... ... | 36 | * | * | 0·7 | * |
| Eastbourne, to 6 p.m. ... | 37 | * | * | 1·0 | * |

| STATIONS. | Temperature F. Max. | Temperature F. Min. | Weather. | Sunshine. Hrs. | Rainfall. Ins. |
|---|---|---|---|---|---|
| Hastings ... ... ... ... | * | * | * | 0·7 | * |
| Broadstairs... ... ... ... | * | * | * | | * |
| Margate ... ... ... ... | 36 | 28 | b, c | 2·0 | – |
| Lowestoft, to 6 p.m. ... ... | 35 | 32 | o | 0·0 | – |
| Skegness ... ... ... ... | * | * | * | 0·0 | * |
| Scarborough, to 6 p.m. ... | 38 | * | * | 0·0 | * |
| Harrogate, to 6 p.m. ... | 34 | 32 | o | 0·0 | – |
| Manchester, to 9 p.m. ... | | | | | |
| Darwen, to 9 p.m. ... .. | 33 | 25 | b, o, c m, o m | 0·0 | – |
| Birmingham, to 9 p.m. ... | 31 | 28 | o | 0·0 | – |

## TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

| STATIONS. 1st Jan.y 1904 | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|
| Obser.s not rec.d | | | | |
| Copenhagen ... ... ... | | | | |
| Utrecht... ... ... ... ... | | | | |
| Groningen ... ... ... ... | | | | |
| Vienna ... ... ... ... ... | | | | |
| Marseilles ... ... ... ... | | | | |
| Florence ... ... ... ... | | | | |
| Rome ... ... ... ... ... | | | | |
| Naples ... ... ... ... ... | | | | |
| Palermo ... ... ... ... | | | | |
| Malta ... ... ... ... ... | | | | |

| STATIONS. | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|
| Algiers ... ... ... ... | | * | | |
| Tunis ... ... ... ... | | | | |
| Madeira (Funchal) ... ... | | | | |
| 31st Dec.e 1903. | 1 p.m. | | 1 p.m. | Measured 7 a.m. |
| Geneva ... ... ... ... | 25 | * | m | – |
| Berne ... ... ... ... | 23 | * | o | – |
| Coire ... ... ... ... | 41 | * | o | – |
| Castasegna ... ... ... | 36 | * | o | – |
| Lugano ... ... ... ... | 36 | * | r | – |
| Davos ... ... .. ... | 32 | * | c | – |

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

### TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

| COUNTRIES, &c. | Hours of Morning Observations by Local Standard Time. | Corresponding Greenwich Times. | Hours of Evening Observations by Local Standard. | Corresponding Greenwich Times. |
|---|---|---|---|---|
| British Isles, Belgium† ... | 8 a.m. (West European) | 8 a.m. | 6 p.m.‡ (W.E.T.) | 6 p.m.‡ |
| Holland ... ... ... ... ... | 8 a.m. ( „ „ ) | 8 a.m. | 7 p.m. (W.E.T.) | 7 p.m. |
| Germany, Denmark, Norway, Sweden | 8 a.m. (Mid-European) | 7 a.m. | 8 p.m. (M.E.T.) | 7 p.m. |
| France ... ... ... ... ... | 7 a.m. (Paris) ... ... | 6.51 a.m. | 6 p.m. (Paris) | 5.51 p.m. |
| Spain ... ... ... ... ... | 8 a.m. (West European) | 8 a.m. | 6 p.m. (W.E.T.) | 6 p.m. |
| Portugal ... ... ... ... ... | 8 a.m. (Lisbon) ... ... | 8.36 a.m. | 3.23 p.m. (Lisbon) | 4 p.m. |
| Azores: Ponta Delgada ... ... | 6 a.m. (Local) ... ... | 7.43 a.m. | 9 p.m. (Local) | 10.43 p.m. |
| Azores: Horta ... ... ... | 6 a.m. (Local) ... ... | 7.55 a.m. | 9 p.m. (Local) | 10.55 p.m. |

### TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

| 2nd Jan.y 1904. | Sunrise G.M.T. | Noon G.M.T. | Sunset G.M.T. |
|---|---|---|---|
| Yarmouth ... ... ... | 8.6 | 11.57 | 3.[illegible] |
| Greenwich ... ... ... | 8.8 | 12.4 | 4.0 |
| Wick ... ... ... ... | 9.5 | 12.16 | 3.28 |
| Valencia ... ... ... | 8.51 | 12.45 | 4.39 |

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FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

# DAILY WEATHER REPORT

*for 8 a.m. on* Sunday 3rd January, **1904.**

*Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London.* **W. N. SHAW.** *Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins. | Temp Dry Bulb. ° | Wind. Direc. | Wind. Force (0 to 12.) | Weather | THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins. | Barometer. Change since Yesterday. Ins. | Temperature. Dry Bulb. ° | Temperature. Wet Bulb. ° | Temperature. Change since Yesterday. ° | Wind. Direc. | Wind. Force (0 to 12.) | Weather. | Sea (0 to 9.) | PAST 24 HOURS. Temp. Max. ° | Temp. Min. ° | Weather | Sunshine Hours | Rainfall Ins. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SCANDINAVIA | Haparanda... ... | 30·31 | 6 | W | 2 | o | 30·25 | -·06 | 25 | 25 | -1 | SW | 2 | s | * | 28 | 3 | – | * | – |
| | Hernösand ... ... | 30·40 | 14 | Z | o | f | 30·32 | -·07 | 14 | 13 | +1 | Z | o | b | * | 21 | 12 | – | * | – |
| | Stockholm ... ... | 30·48 | 28 | W | 2 | o | 30·50 | +·14 | 30 | 28 | o | Z | o | o | * | 30 | 23 | – | * | – |
| | Wisby... ... ... | 30·46 | 32 | E | 2 | o | 30·51 | +·19 | 31 | 29 | -1 | ESE | 2 | o | * | 37 | 30 | – | * | – |
| | Karlstad ... ... | 30·45 | 23 | Z | o | o | 30·42 | +·04 | 29 | 28 | +10 | Z | o | o | * | * | * | – | * | – |
| | Færder (X'iania Fjord) | 30·41 | 26 | E | 1 | o | 30·35 | +·02 | 32 | 31 | +7 | SSE | 4 | o | 2 | 32 | 21 | – | * | – |
| | Bodö ... ... ... | 30·12 | 30 | E | 2 | b | 30·13 | -·15 | 27 | 25 | -8 | E | 2 | b | 1 | 35 | 25 | – | * | – |
| | Christiansund ... | 30·18 | 26 | ESE | 1 | b | 30·08 | -·16 | 30 | 29 | +5 | E | 2 | c | 3 | 30 | 25 | – | * | – |
| | Skudesnaes ... | 30·20 | 34 | SE | 6 | c | 30·07 | -·17 | 36 | 32 | +6 | SE | 6 | c | 4 | 36 | 28 | o | * | * |
| BRITISH ISLANDS | Sumburgh Head | 29·79 | 39 | SE | 5 | r | 29·59 | -·34 | 43 | 42 | +3 | SE | 6 | o | 6 | 43 | 39 | r | * | 0·10 |
| | Stornoway ... ... | 29·50 | 42 | SSE | 5 | o | 29·38 | -·35 | 45 | 42 | +4 | SW | 6 | bc | 6 | 46 | 38 | bc,o | 2·3 | 0·10 |
| | Malin Head ... | 29·32 | 39 | SSE | 7 | rm | 29·26 | -·32 | 43 | 42 | +5 | S | 6 | o | 4 | 43 | 37 | o,rm | * | 0·04 |
| | Blacksod Pt. ... | 29·25 | 46 | S | 5 | cpm | 29·21 | -·21 | 44 | 42 | +2 | SW | 5 | cp | 4 | 47 | 40 | rm,cp | * | 0·51 |
| | Valencia ... ... | 29·38 | 46 | SSW | 3 | c | 29·32 | -·09 | 43 | 41 | -4 | S | 2 | op | 5 | 50 | 42 | c | 0·2 | 0·88 |
| | Roche's Point ... | 29·44 | 45 | WSW | 3 | b | 29·34 | -·24 | 45 | 44 | -2 | S | 1 | c | 1 | 49 | 43 | r, b | * | 0·50 |
| | Parsonstown ... | 29·36 | 44 | S | 2 | op | 29·33 | -·27 | 41 | 40 | -1 | S | 1 | c | * | 47 | 37 | op, l | 0·0 | 0·19 |
| | Donaghadee ... | 29·50 | 45 | SSE | 5 | o | 29·44 | -·35 | 47 | 46 | +7 | S | 5 | oq | 4 | 47 | 39 | – | * | 0·25 |
| | Liverpool Obsy... | 29·67 | 36 | SE | 5 | o | 29·58 | -·31 | 42 | 41 | +9 | ESE | 4 | o | 4 | 43 | 32 | – | * | 0·03 |
| | Holyhead ... ... | 29·57 | 44 | S | 8 | rqm | 29·47 | -·21 | 45 | 43 | +8 | SE | 7 | cqp | 5 | 47 | 36 | ou,rq | * | 0·15 |
| | Pembroke (St Ann's) | 29·49 | 46 | S | 7 | f | 29·42 | -·33 | 48 | 46 | +5 | SE | 7 | oqqu | 6 | 49 | 43 | r,rq | 0·0 | 0·28 |
| | Scilly (St. Mary's) ... | 29·59 | 50 | W | 4 | r | 29·38 | -·34 | 49 | 47 | +1 | WSW | 6 | cp | 6 | 51 | 45 | r | 0·0 | 0·20 |
| | Jersey (St. Aubins) ... | | | | | | | | | | | | | | | | | | | |
| | Portland Bill ... | 29·78 | 46 | S | 4 | o | 29·68 | -·22 | 46 | 45 | +2 | S | 4 | op | 4 | 47 | 43 | c,o | * | 0·08 |
| | Dungeness ... ... | 29·92 | 43 | SE | 4 | cu | 29·86 | -·15 | 43 | 42 | +6 | SSW | 5 | c | 3 | 45 | 36 | c,cu | 0·4 | 0·02 |
| | Wick ... ... ... | 29·67 | 41 | SSE | 7 | o | 29·51 | -·30 | 42 | 40 | +3 | SSE | 4 | ou | 4 | 45 | 35 | – | * | – |
| | Nairn ... ... ... | 29·66 | 31 | ESE | 1 | b | 29·51 | -·30 | 41 | 38 | +3 | E | 1 | bc | 1 | 43 | 30 | – | * | – |
| | Aberdeen ... ... | 29·77 | 41 | SSE | 5 | oq | 29·63 | -·29 | 42 | 41 | +3 | SSE | 4 | o | 5 | 43 | 37 | cqp,or | 0·0 | 0·18 |
| | Leith ... ... ... | 29·70 | 35 | ESE | 2 | bc | 29·54 | -·33 | 41 | 40 | +7 | SE | 1 | o | * | 42 | 33 | – | * | – |
| | North Shields ... | 29·82 | 36 | S | 4 | cm | 29·67 | -·27 | 42 | 41 | +8 | SE | 3 | o | 3 | 42 | 34 | m,cmp | * | 0·03 |
| | Spurn Head .. | 29·86 | 36 | SE | 5 | o | 29·75 | -·21 | 41 | 40 | +5 | SSE | 5 | o | 4 | 42 | 35 | – | * | 0·02 |
| | Yarmouth ... ... | 29·92 | 39 | SE | 6 | om | 29·86 | -·14 | 42 | 41 | +6 | S | 5 | c | 4 | 42 | 34 | om | * | – |
| | Clacton-on-Sea ... | 29·94 | 40 | ESE | 3 | c | 29·86 | -·17 | 40 | 40 | +6 | ESE | 5 | c | 3 | 41 | 34 | bc, c | 1·6 | – |
| | Nottingham ... | 29·83 | 35 | ESE | 1 | o | 29·72 | -·25 | 43 | 42 | +10 | ESE | 1 | o | * | 43 | 32 | c,o | 0·0 | 0·01 |
| | Bath ... ... ... | 29·78 | 44 | SE | 3 | o | 29·67 | -·23 | 45 | 44 | +11 | SE | 4 | o | * | 47 | ?34 | – | 0·0 | 0·07 |
| | Oxford ... ... | 29·82 | 42 | SE | 3 | o | 29·72 | -·24 | 44 | 43 | +12 | SE | 3 | odp | * | 44 | 32 | o,odp | * | – |
| | London (Brixton) ... | 29·87 | 40 | S | 1 | c | 29·78 | -·21 | 42 | 42 | +10 | SE | 3 | o | * | 44 | 32 | bm,c | 0·0 | 0·05 |
| GERMANY, &c. | The Scaw (Skagen) | 30·36 | 33 | SE | 3 | bc | 30·32 | +·04 | 34 | 33 | +8 | S | 4 | o | 1 | 34 | 25 | – | * | – |
| | Fanö ... ... ... | 30·24 | 31 | SE | 6 | o | 30·19 | ·00 | 30 | 29 | -1 | SE | 8 | o | * | 34 | 28 | – | * | – |
| | Cuxhaven ... ... | 30·23 | 30 | SE | 3 | o | 30·17 | +·01 | 30 | 29 | o | SE | 4 | c | * | 30 | 27 | – | * | – |
| | The Helder ... | 30·05 | 28 | ESE | 2 | m | 29·96 | -·13 | 30 | 30 | +1 | SE | 1 | c | 1 | 34 | 27 | – | * | – |
| | Brussels ... ... | * | * | * | * | * | 30·01 | -·09 | 35 | 33 | | SE | 3 | o | * | 39 | 20 | – | * | – |
| | Berlin ... ... ... | 30·30 | 28 | ESE | 3 | o | 30·34 | +·10 | 22 | 22 | -7 | SE | 2 | c | * | 29 | 18 | – | * | – |
| | Frankfürt ... ... | 30·19 | 23 | E | 2 | b | 30·19 | -·02 | 21 | 21 | +3 | E | 2 | b | * | 28 | 18 | – | * | – |
| | Munich ... ... | 30·17 | 15 | E | 3 | b | 30·17 | ·00 | 15 | 15 | o | E | 4 | f | * | 25 | 9 | – | * | – |
| FRANCE. | C. Gris Nez ... | 29·95 | 38 | SSE | 4 | c | 29·87 | -·08 | 41 | 39 | +11 | SE | 4 | bc | 4 | 41 | 30 | – | * | – |
| | Brest ... ... ... | 29·75 | 49 | S | 5 | o | 29·60 | -·25 | 51 | 50 | +8 | S | 5 | o | 5 | ?51 | 43 | – | * | 0·08 |
| | Lorient ... ... | 29·84 | 50 | SSW | 5 | f | 29·72 | -·20 | 50 | 49 | +7 | S | 4 | c | 5 | 52 | 43 | – | * | 0·16 |
| | Rochefort ... ... | 29·98 | 46 | S | 3 | o | 29·88 | -·10 | 44 | 41 | o | S | 3 | o | * | 46 | 41 | bc,o | * | 0·04 |
| | Biarritz ... ... | 30·02 | 52 | SW | 3 | o | 29·93 | -·14 | 48 | 43 | -1 | SE | 2 | b | 3 | 55 | 46 | – | * | – |
| | Paris ... ... ... | 30·05 | 36 | SSE | 1 | b | 29·99 | -·07 | 35 | 34 | -13 | SSE | 2 | c | * | 42 | 22 | – | * | – |
| | Belfort... ... ... | 30·13 | 31 | ENE | 3 | m | 30·12 | -·05 | 19 | 19 | -4 | ENE | 2 | m | * | 39 | 10 | – | * | – |
| | Lyons ... ... ... | 30·15 | 37 | NNE | 1 | b | 30·12 | -·07 | 27 | 27 | -1 | NNW | 1 | b | * | 41 | 26 | – | * | – |
| | Nice ... ... ... | 30·06 | 44 | E | 1 | b | 29·98 | -·12 | 42 | 35 | +4 | Z | o | b | 1 | 54 | ?37 | – | * | – |
| | Perpignan ... ... | 30·09 | 46 | Z | o | c | 30·03 | -·05 | 37 | 36 | -4 | SW | 1 | bc | * | 52 | 35 | – | * | – |
| SPAN. PEN. | Corunna ... ... | 29·95 | 52 | SSW | 5 | o | 29·91 | | 55 | 51 | | W | 5 | o | 5 | 57 | 44 | – | * | 0·24 |
| | Lisbon ... ... | 30·14 | 48 | NE | 3 | f | 30·10 | +·01 | 56 | 56 | +9 | WNW | 4 | o | * | ? | 47 | – | * | 0·39 |
| | Azores (P. Delgada)... | 30·17 | 58 | N | 3 | b | 30·28 | +·29 | 55 | 52 | -7 | N | 3 | b | 3 | 64 | 54 | – | * | – |
| | „ (Horta) ... | 30·17 | 58 | Z | o | o | 30·24 | +·31 | 55 | 53 | -5 | SW | 4 | b | 2 | 64 | 54 | – | * | – |

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

† *Observations received too late for insertion in Charts on next page.*

# WEATHER CHARTS

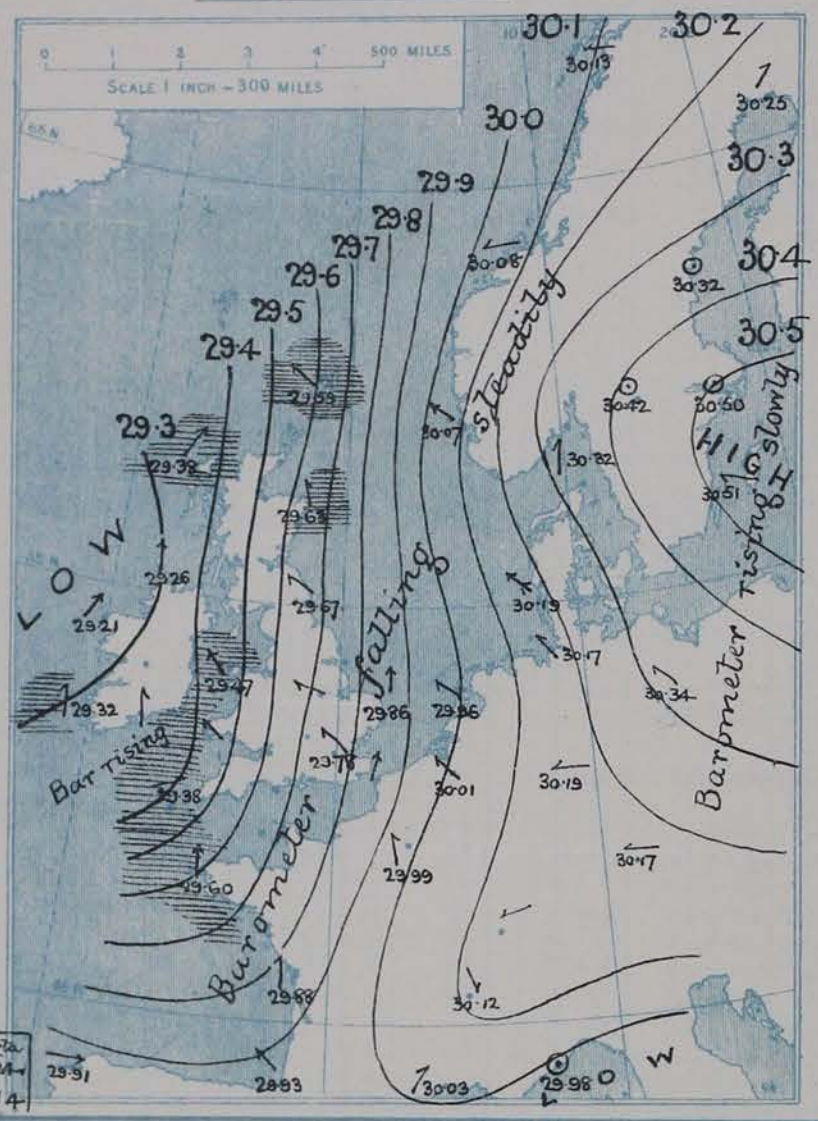
FOR SUNDAY, 3RD JANUARY, 1904.

## I. BAROMETER, WIND AND SEA. *This Morning.*

*BAROMETER.—Isobars are drawn for each tenth of an inch.*
*WIND.—Arrows show Directions and Force, flying with the wind.*

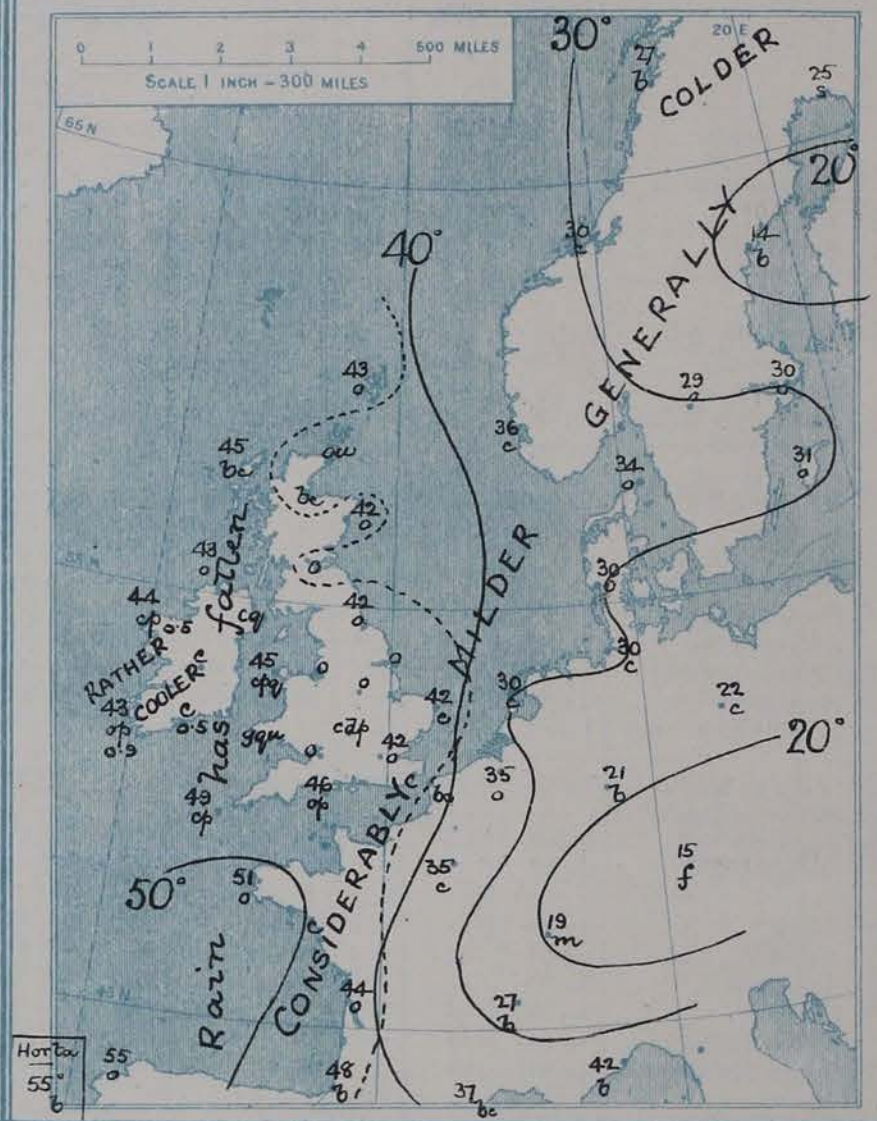
*Force above 10* ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙
*Force 8 to 10* ⟶ : *Force 1 to 4* ⟶ : }

*SEA.—Rough* ▒ *High* ■




## II. TEMPERATURE AND WEATHER. *This Morning.*

*TEMPERATURE.—Isotherms are drawn for each 10°.*
*WEATHER.—Shown by Letters of the Beaufort Scale.* *(See P. 4.)*
*RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus - 0·6*




## III. BAROMETER AND WIND

*Yesterday morning.*

## IV. GREATEST AND LEAST MONTHLY RAINFALL IN JANUARY

*During the 33 Years 1871-1903.*

*Specimen (for LONDON)* { *Greatest Rainfall* 4·69 (IN 1871) / *Least ... Do.* ..... 0·37 (IN 1880) }

## V. *Means of* DAILY TEMPERATURE

*at 8 A. M. for the Two monthly period*

DECEMBER-JANUARY (1871-1900)

# GENERAL SITUATION AT 8 A.M.

**PRESSURE**

The region of highest pressure still remains over Scandinavia, the barometer having risen to 30.5 ins. and above in the southeast of Sweden. Over our Islands and the western portion of the Continent the mercury has given way, rather decidedly at our northern and western stations, a disturbance in which the readings are down to about 29.2 ins. being shown beyond the northwest of Ireland, and a secondary has in the course of the past night moved in along the southern coasts of Ireland and is now nearing the Bristol Channel, the barometer having fallen below 29.4 ins.

**WIND**

S.E'ly. to S'ly. winds prevail over nearly the whole of the kingdom, fresh or strong in force in many places, a moderate gale at Pembroke and Holyhead. At Stornoway, Blackaw Pt. and Scilly a fresh to strong S.W'ly. breeze is reported. On the Continent S.E'ly. to S'ly. breezes prevail extensively, generally light to moderate, but blowing strongly at Skudesnes and a fresh gale on the west coast of Denmark.

**TEMPERATURE**

Temperature has risen at most stations, the present readings ranging from 49° at Scilly and 48° at Pembroke to 41° at Nairn, Leith, Parsonstown and Spurn Head and 40° at Clacton-on-Sea; from 51° at Brest and 50° at Lorient to 15° at Munich and 14° at Aerösund.

**WEATHER AND SEA**

The weather is fine over the southern half of France, generally dull elsewhere, with rain showers at many of our western and southern stations, snow at Haparanda and fog at Munich. At the stations in the south of Ireland the rainfall for the past 24 hours has amounted to from 0.5 in. to 0.9 in.

Temperature rose yesterday to 51° at Scilly, 50° at Valencia and to 42° and upwards at all other stations. Other than 2.3 hrs. at Stornoway and 2 hrs. at Aberystwyth there was little or no sunshine registered. Lightning was seen at Parsonstown last night.

**PROBABLE CHANGES IN SYSTEM NOW PREVALENT**

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# FORECASTS*

*For the 24 hours ending at NOON on 4th JANUARY, 1904*

| DISTRICTS. | FORECASTS. | DISTRICTS. | FORECASTS. |
|---|---|---|---|
| 0 SCOTLAND NORTH | None issued. | 6 SCOTLAND WEST | None issued. |
| 1 SCOTLAND EAST | | 7 ENGLAND N.W. | |
| 2 ENGLAND N.E. | | 8 ENGLAND S.W | |
| 3 ENGLAND EAST | | 9 IRELAND NORTH | |
| 4 MIDLAND COUNTIES | | 10 IRELAND SOUTH | |
| 5 ENGLAND SOUTH | | WARNINGS | At 9.50 am. today to Districts 2, 3 and 5, "HOIST SOUTH CONE". The Signals are now flying on all coasts. |

*Note.*—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone

The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone

* *For terms for transmission of Forecasts by Telegraph, see next page.*

# REPORTS FOR YESTERDAY.

| STATIONS. | Temperature F. Max | Temperature F. Min. | Weather. | Sunshine. Hrs. | Rainfall. Ins. |
|---|---|---|---|---|---|
| Blackpool, to 9 p.m. ... ... | 39 | 31 | o, r | 0·0 | 0·03 |
| Southport, to 9 p.m. ... ... | 40 | 32 | o, or | 0·0 | 0·02 |
| Rhyl, ... ... ... ... ... ... | * | * | * | | * |
| Llandudno ... ... ... ... | * | * | * | 0·0 | * |
| Bettws-y-Coed, to 6 p.m. ... | 41 | 29 | c, b, o | 0·1 | * |
| Aberystwyth, to 6 p.m. ... | 38 | 33 | o, c, r | 2·0 | 0·06 |
| Plymouth, to 9 p.m. ... ... | 50 | 37 | bc, or | 1·2 | 0·24 |
| Bournemouth to 6 p.m. ... | | | | | |
| Worthing ... ... ... ... | * | * | * | 0·8 | * |
| Brighton ... ... ... ... | | * | * | | * |
| Eastbourne, to 6 p.m. ... | | * | * | | * |

| STATIONS. | Temperature F. Max. | Temperature F. Min. | Weather. | Sunshine. Hrs. | Rainfall. Ins. |
|---|---|---|---|---|---|
| Hastings ... ... ... ... | * | * | * | 0·1 | * |
| Broadstairs... ... ... ... | * | * | * | * | * |
| Margate ... ... ... ... | 41 | 30 | c, o | 0·0 | - |
| Lowestoft, to 6 p.m. ... ... | | | | | |
| Skegness ... ... ... ... | * | * | * | 0·0 | * |
| Scarborough, to 6 p.m. ... | | * | * | | * |
| Harrogate, to 6 p.m. ... | 34 | 30 | og | 0·0 | – |
| Manchester, to 9 p.m. ... | | | | | |
| Darwen, to 9 p.m. ... .. | 36 | 28 | c, omr | 0·0 | 0·02 |
| Birmingham, to 9 p.m. ... | 39 | 30 | o | 0·0 | – |

## TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

| STATIONS. 2nd Jan. 1904 | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|
| Copenhagen ... ... ... | 34 | 28 | o, o | – |
| Utrecht... ... ... ... ... | 28 | 22 | o, m | – |
| Groningen ... ... ... ... | 30 | 23 | o, c | – |
| Vienna ... ... ... ... ... | 27 | 25 | o, o | – |
| Marseilles ... ... ... ... | 55 | 41 | o, o | – |
| Florence ... ... ... ... | 51 | 37 | c, c | – |
| Rome ... ... ... ... ... | 58 | 42 | o, o | – |
| Naples ... ... ... ... ... | 56 | 46 | o, o | – |
| Palermo ... ... ... ... | 59 | 42 | b, o | – |
| Malta ... ... ... ... ... | 63 | 55 | o | – |

| STATIONS. | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|
| Algiers ... ... ... ... | 59 | 54 | r, r | 0·87 |
| Tunis ... ... ... ... | 63 | 48 | c, o | – |
| Madeira (Funchal) ... ... | Not | rec.d | | |
| 1st Jan. 1904. | 1 p.m. | | 1 p.m. | Measured 7 a.m. |
| Geneva ... ... ... ... | 27 | * | m | – |
| Berne ... ... ... ... | 25 | * | m | – |
| Coire ... ... ... ... | 39 | * | b | – |
| Castasegna ... ... ... | 34 | * | b | – |
| Lugano ... ... ... ... | 27 | * | o | 0·16 |
| Davos ... ... .. ... | 27 | * | b | – |

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

### TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

| COUNTRIES, &c. | Hours of Morning Observations by Local Standard Time. | Corresponding Greenwich Times. | Hours of Evening Observations by Local Standard. | Corresponding Greenwich Times. |
|---|---|---|---|---|
| British Isles, Belgium† ... | 8 a.m. (West European) | 8 a.m. | 6 p.m.‡ (W.E.T.) | 6 p.m.‡ |
| Holland ... ... ... ... ... | 8 a.m. ( ,, ,, ) | 8 a.m. | 7 p.m. (W.E.T.) | 7 p.m. |
| Germany, Denmark, Norway, Sweden | 8 a.m. (Mid-European) | 7 a.m. | 8 p.m. (M.E.T.) | 7 p.m. |
| France ... ... ... ... ... | 7 a.m. (Paris) ... ... | 6.51 a.m. | 6 p.m. (Paris) | 5.51 p.m. |
| Spain ... ... ... ... ... | 8 a.m. (West European) | 8 a.m. | 6 p.m. (W.E.T.) | 6 p.m. |
| Portugal ... ... ... ... ... | 8 a.m. (Lisbon) ... ... | 8.36 a.m. | 3.23 p.m. (Lisbon) | 4 p.m. |
| Azores { Ponta Delgada ... ... | 6 a.m. (Local) ... ... | 7.43 a.m. | 9 p.m. (Local) | 10.43 p.m. |
| Azores { Horta ... ... ... | 6 a.m. (Local) ... ... | 7.55 a.m. | 9 p.m. (Local) | 10.55 p.m. |

### TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

| 3rd Jan. 1904. | Sunrise G.M.T. | Noon G.M.T | Sunset G.M.T. |
|---|---|---|---|
| Yarmouth ... ... ... | 8.6 | 11.58 | 3.49 |
| Greenwich ... ... ... | 8.8 | 12.5 | 4.1 |
| Wick ... ... ... ... | 9.4 | 12.17 | 3.29 |
| Valencia ... ... ... | 8.51 | 12.46 | 4.40 |

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FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

# DAILY WEATHER REPORT

*for 8 a.m. on Monday, 4th January,* **1904.**

*Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London.* **W. N. SHAW,** *Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins. | Temp. Dry Bulb. ° | Wind. Direc. | Wind. Force (0 to 12.) | Weather | THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins. | Change since Yesterday. Ins. | Temperature. Dry Bulb. ° | Wet Bulb. ° | Change since Yesterday. ° | Wind. Direc. | Wind. Force (0 to 12.) | Weather. | Sea (0 to 9.) | PAST 24 HOURS. Temp. Max. ° | Temp. Min. ° | Weather | Sunshine Hours. | Rainfall. Ins. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SCANDINAVIA | Haparanda... ... | 30·20 | 19 | SW | 2 | o | 30·23 | −·02 | 8 | 8 | −17 | NW | 2 | c | * | 27 | 3 | – | * | 0·04 |
| | Hernösand ... ... | 30·26 | 27 | ? N | ? 0 | b | 30·26 | −·06 | 12 | 11 | −2 | N | 0 | b | * | 28 | 12 | – | * | – |
| | Stockholm ... ... | 30·47 | 30 | N | 0 | o | 30·40 | −·10 | 31 | 30 | +1 | S | 2 | o | * | 31 | 27 | – | * | – |
| | Wisby... ... ... | 30·49 | 32 | N | 0 | o | 30·42 | −·09 | 30 | 26 | −1 | N | 0 | o | * | 36 | 28 | – | * | – |
| | Karlstad ... ... | 30·41 | 30 | N | 0 | o | 30·32 | −·10 | 27 | 26 | −2 | N | 0 | o | * | * | * | – | * | – |
| | Færder (X'iania Fjord) | 30·36 | 31 | SSE | 5 | o | 30·29 | −·06 | 26 | 24 | −6 | ESE | 4 | o | 2 | 32 | 26 | – | * | – |
| | Bodö ... ... ... | 30·04 | 30 | E | 4 | b | 30·10 | −·03 | 29 | 26 | +2 | E | 2 | b | 1 | 30 | 27 | – | * | – |
| | Christiansund ... | 30·00 | 40 | ESE | 2 | c | 30·02 | −·06 | 39 | 35 | +9 | ESE | 4 | c | 3 | 40 | 30 | – | * | – |
| | Skudesnaes ... | 30·05 | 39 | SE | 6 | o | 30·00 | −·07 | 35 | 30 | −1 | ESE | 8 | b | 4 | 39 | 34 | o | * | * |
| BRITISH ISLANDS | Sumburgh Head | 29·64 | 45 | SE | 1 | r | 29·66 | +·07 | 43 | 42 | 0 | SE | 6 | r | 7 | 45 | 41 | – | * | 0·11 |
| | Stornoway ... ... | 29·31 | 46 | SE | 5 | o | 29·49 | +·11 | 41 | 39 | −4 | WSW | 1 | b | 1 | 46 | 38 | c, o | 0·0 | 0·14 |
| | Malin Head ... | 29·29 | 41 | S | 5 | cp | 29·41 | +·15 | 37 | 36 | −6 | SE | 4 | b | 3 | 44 | 34 | r, cp | * | 0·09 |
| | Blacksod Pt. ... | 29·36 | 44 | SW | 5 | cp | 29·25 | +·04 | 41 | 39 | −3 | ESE | 3 | c | 4 | 45 | 39 | bc, cp | * | 0·13 |
| | Valencia ... ... | 29·44 | 40 | ENE | 1 | op | 29·13 | −·19 | 40 | 39 | −3 | ENE | 1 | r | 4 | 48 | 38 | cp, op | 0·5 | 0·78 |
| | Roche's Point ... | 29·52 | 44 | WSW | 1 | bqp | 29·17 | −·17 | 45 | 44 | 0 | S | 6 | orq | 5 | 47 | 39 | c, bqp | * | 0·30 |
| | Parsonstown ... | 29·46 | 38 | S | 1 | b | 29·28 | −·05 | 42 | 40 | +1 | E | 4 | ou | * | 46 | 35 | – | 2·0 | – |
| | Donaghadee ... | 29·41 | 40 | SW | 3 | o | 29·47 | +·03 | 45 | 43 | −2 | SSE | 2 | bc | 2 | 48 | 36 | – | * | 0·30 |
| | Liverpool Obsy... | 29·57 | 41 | SE | 1 | b | 29·57 | −·01 | 32 | 30 | −10 | SSE | 2 | c | ? | 45 | 32 | om, b | * | 0·04 |
| | Holyhead ... ... | 29·49 | 44 | SW | 6 | cp | 29·47 | ·00 | 40 | 39 | −5 | SE | 3 | bm | 2 | 47 | 39 | o, cp | * | 0·07 |
| | Pembroke (St Ann's) | 29·55 | 47 | WSW | 4 | bc | 29·39 | −·03 | 45 | 43 | −3 | SE | 5 | cqqm | 5 | 48 | 44 | bc, qp | 1·2 | 0·22 |
| | Scilly (St. Mary's) ... | 29·59 | 48 | WSW | 2 | cp | 29·27 | −·11 | 47 | 47 | −2 | S | 6 | r | 7 | 50 | 45 | r, cp | 2·0 | 0·13 |
| | Jersey (St. Aubins) ... | | | | | | | | | | | | | | | | | | | |
| | Portland Bill ... | 29·65 | 45 | WNW | 2 | b | 29·59 | −·09 | 44 | 43 | −2 | S | 3 | cp | 4 | 46 | 42 | r, c, b | * | 0·08 |
| | Dungeness ... ... | 29·73 | 45 | SSW | 5 | r | 29·68 | −·18 | 43 | 43 | 0 | E | 1 | c | 4 | 45 | 42 | o, b | 0·0 | 0·18 |
| | Wick ... ... ... | 29·45 | 42 | SSE | 7 | o | 29·55 | +·04 | 42 | 41 | 0 | SSW | 2 | o | 0 | 45 | 39 | – | * | – |
| | Nairn ... ... ... | 29·40 | 44 | SE | 2 | c | 29·55 | +·04 | 37 | 35 | −4 | N | 0 | b | 1 | 45 | 35 | – | * | – |
| | Aberdeen ... ... | 29·54 | 44 | SSE | 5 | oq | 29·61 | −·02 | 38 | 37 | −4 | WNW | 1 | cm | 4 | 45 | 37 | o, oq | 0·0 | 0·01 |
| | Leith ... ... ... | 29·45 | 44 | ESE | 3 | o | 29·55 | +·01 | 36 | 36 | −5 | E | 1 | b | * | 45 | 33 | oq | * | – |
| | North Shields ... | 29·55 | 44 | SE | 5 | o | 29·59 | −·08 | 36 | 36 | −6 | S | 1 | f | 3 | 44 | 34 | – | | – |
| | Spurn Head ... | 29·62 | 41 | SE | 5 | o | 29·61 | −·14 | 38 | 38 | −3 | S | 1 | f | 3 | 43 | 36 | – | * | 0·05 |
| | Yarmouth ... ... | 29·74 | 42 | SSE | 5 | om | 29·62 | −·24 | 42 | 41 | 0 | SSW | 2 | rqf | 4 | 42 | 39 | c, om | * | 0·20 |
| | Clacton-on-Sea ... | 29·71 | 41 | ESE | 5 | bc | 29·67 | −·19 | 36 | 36 | −4 | SW | 2 | f | 2 | 43 | 36 | – | ? | 0·18 |
| | Nottingham ... | 29·61 | 43 | SE | 1 | r | 29·62 | −·10 | 33 | 33 | −10 | N | 0 | f | * | 44 | 32 | – | 0·0 | 0·03 |
| | Bath ... ... ... | 29·68 | 34 | NE | 1 | o | 29·59 | −·08 | 33 | 33 | −12 | NE | 1 | o | * | 46 | 29 | – | 0·0 | 0·11 |
| | Oxford ... ... | 29·66 | 43 | WSW | 2 | c | 29·64 | −·08 | 33 | 33 | −11 | SE | 1 | f | * | 46 | 28 | bc, c, r | * | 0·08 |
| | London (Brixton) ... | 29·66 | 44 | SSE | 2 | o | 29·65 | −·13 | 38 | 38 | −4 | S | 2 | cm | * | 47 | 34 | odp, or | 0·0 | 0·11 |
| GERMANY, &c. | The Scaw (Skagen) | 30·31 | 31 | SSE | 5 | o | 30·21 | −·11 | 31 | 31 | −3 | SE | 4 | o | 1 | 36 | 30 | – | * | – |
| | Fanö ... ... ... | 30·12 | 30 | SE | 8 | o | 29·98 | −·21 | 30 | 29 | 0 | SE | 6 | o | * | 32 | 28 | – | * | – |
| | Cuxhaven ... ... | 30·11 | 29 | SE | 5 | o | 29·92 | −·25 | 28 | 28 | −2 | SE | 4 | o | * | 30 | 28 | – | * | – |
| | The Helder ... | 29·87 | 32 | ESE | 2 | b | 29·73 | −·23 | 26 | 26 | −4 | SE | 2 | o | 1 | 32 | 26 | – | * | – |
| | Brussels ... ... | * | * | * | * | * | 29·79 | −·22 | 35 | 35 | 0 | S | 3 | o | * | 54 | ? | – | * | – |
| | Berlin ... ... ... | 30·21 | 28 | ENE | 3 | o | 30·07 | −·27 | 28 | 26 | +6 | SE | 3 | o | * | 36 | 22 | – | * | – |
| | Frankfürt ... ... | 30·02 | 25 | E | 2 | b | 30·00 | −·19 | 24 | 24 | +3 | SE | 1 | b | * | 27 | 21 | – | * | – |
| | Munich ... ... | 30·00 | 20 | E | 5 | o | 29·99 | −·18 | 14 | 14 | −1 | SE | 2 | f | * | 21 | 14 | – | * | – |
| FRANCE. | C. Gris Nez ... | 29·73 | 42 | SE | 4 | c | 29·70 | −·17 | 42 | 41 | +1 | SSE | 3 | r | 3 | 45 | 41 | – | * | 0·24 |
| | Brest ... ... ... | 29·72 | 46 | W | 3 | r | 29·52 | −·08 | 48 | 44 | −3 | SSW | 5 | r | 6 | 51 | 43 | – | * | 0·51 |
| | Lorient ... ... | 29·75 | 46 | WNW | 3 | o | 29·63 | −·09 | 47 | 47 | −3 | SSW | 5 | r | 5 | 52 | 41 | – | * | 0·47 |
| | Rochefort ... ... | 29·84 | 51 | SW | 4 | o | 29·85 | −·03 | 47 | 46 | +3 | SW | 4 | r | * | 52 | 44 | o, r | * | 0·16 |
| | Biarritz ... ... | 30·01 | 52 | W | 6 | r | 30·00 | +·07 | 47 | 46 | −1 | S | 2 | b | 5 | 59 | 45 | – | * | 0·24 |
| | Paris ... ... ... | 29·84 | 40 | S | 3 | o | 29·83 | −·16 | 37 | 37 | +2 | SSW | 1 | f | * | 44 | 35 | – | * | 0·04 |
| | Belfort... ... ... | 29·99 | 21 | ENE | 2 | m | 29·95 | −·17 | 30 | 30 | +11 | N | 0 | f | * | 32 | 18 | – | * | – |
| | Lyons ... ... ... | 29·99 | 32 | WSW | 1 | bc | 30·03 | −·09 | 32 | 32 | +5 | W | 1 | o | * | 36 | 27 | – | * | – |
| | Nice ... ... ... | 29·96 | 42 | N | 0 | b | 29·86 | −·12 | 41 | 34 | −1 | N | 0 | c | 3 | 52 | 39 | – | * | – |
| | Perpignan ... ... | 29·94 | 45 | N | 0 | bc | 29·99 | −·04 | 48 | 43 | +11 | NW | 2 | b | * | 54 | 40 | – | * | – |
| SPAN. PEN. | Corunna ... ... | | | | | | | | | | | | | | | | | | * | |
| | Lisbon ... ... | 30·26 | 51 | NW | 3 | b | 30·21 | +·11 | 54 | 50 | −2 | WSW | 4 | o | * | 59 | 43 | – | * | – |
| | Azores (P. Delgada)... | 30·36 | 61 | W | 4 | c | 30·41 | +·13 | 56 | 53 | +1 | N | 4 | b | 3 | 63 | 54 | – | * | – |
| | ,, (Horta) ... | 30·36 | 61 | SW | 4 | b | 30·41 | +·17 | 58 | 56 | +3 | WSW | 3 | b | 2 | 64 | 54 | – | * | – |

**NOTE:** *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

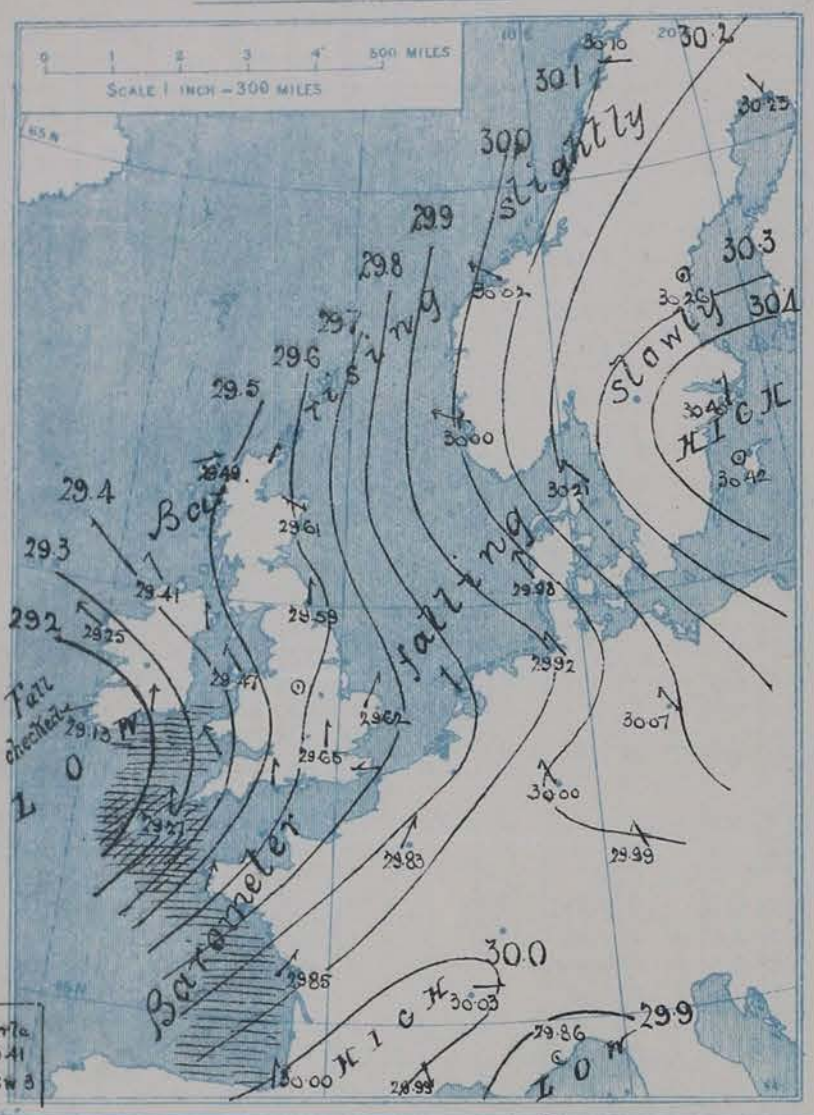
† *Observations received too late for insertion in Charts on next page.*

# WEATHER CHARTS

FOR Monday, 4th January, 1904.

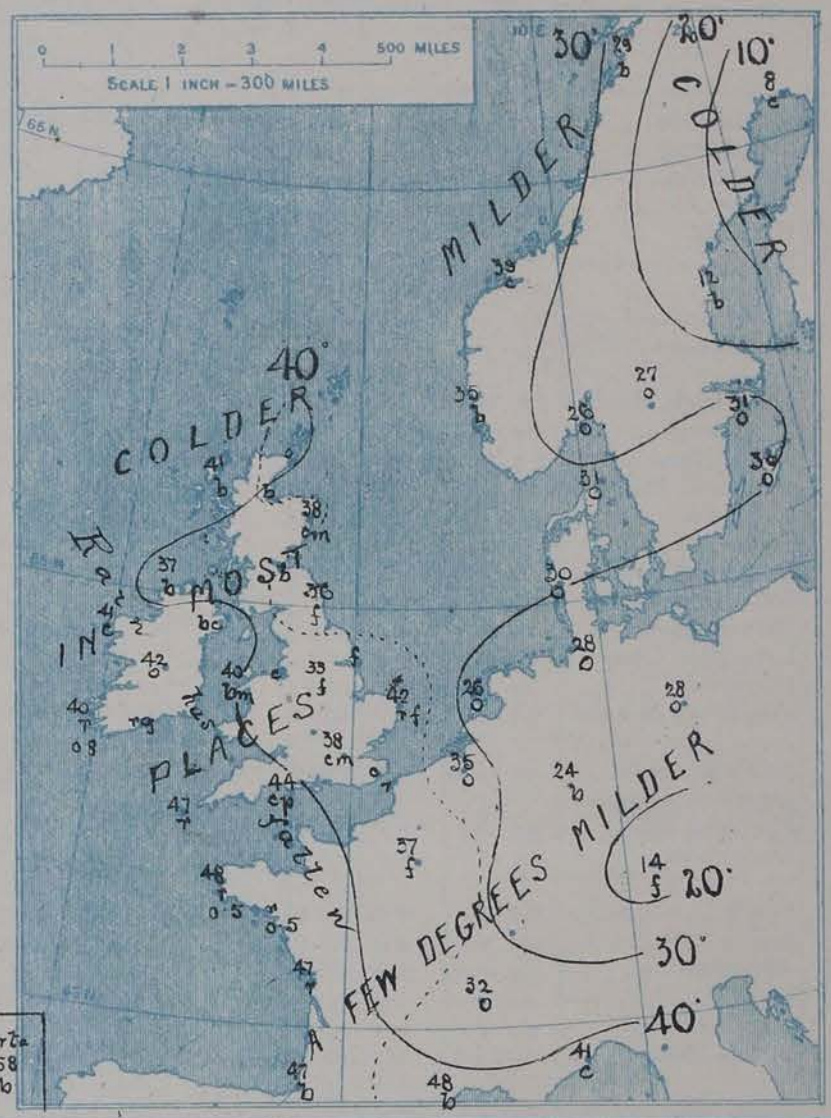
## I. BAROMETER, WIND AND SEA. *This Morning.*

*BAROMETER.—Isobars are drawn for each tenth of an inch.*
*WIND.—Arrows show Directions and Force, flying with the wind.*
*Force above 10* ; *Force 8 to 10* ; *Force 5 to 7* ; *Force 1 to 4* ; Calm ⊙
*SEA.—Rough* ; *High*




## II. TEMPERATURE AND WEATHER. *This Morning.*

*TEMPERATURE.—Isotherms are drawn for each 10°.*
*WEATHER.—Shown by Letters of the Beaufort Scale.* *(See P. 4.)*
*RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus - 0·6*




## III. BAROMETER AND WIND

*Yesterday morning.*

## IV. GREATEST AND LEAST MONTHLY RAINFALL IN JANUARY

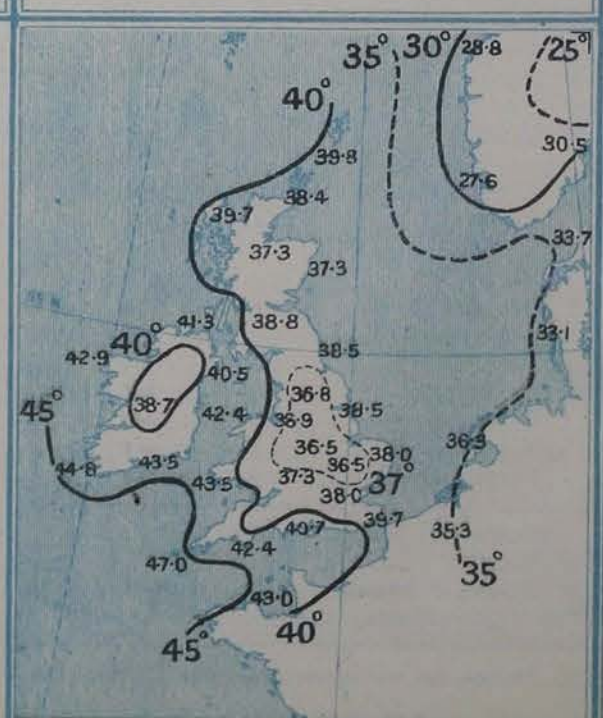
*During the 33 Years 1871-1903.*

*Specimen (for London)* { *Greatest Rainfall* 4·69 (in 1877); *Least ... Do.....* 0·37 (in 1880)

## V. *Means of* DAILY TEMPERATURE

*at 8 A.M. for the Two monthly period*

DECEMBER-JANUARY (1871-1900)



# GENERAL SITUATION AT 8 A.M.

**PRESSURE**

The barometer is still above 30·4 ins. in the extreme east of Sweden, but a fresh disturbance has advanced towards our southwest coasts, and at Valencia pressure is as low as 29·13 ins. The gradient is steep over Ireland and the southwest of England, but over our more eastern counties it is very slight.

**WIND – TEMPERATURE – WEATHER AND SEA**

Strong winds from between S and SE are blowing over Ireland, the southwest of England and the northwest of France. Over Scotland and the remainder of England, the wind is very light, and S^ly in direction. A moderate to fresh SE^ly wind, which attains the force of a gale at Skudesnaes is blowing over Norway and the west of Germany. Rain is falling in the south of Ireland, at Scilly, and at the stations on the west coast of France. Much fog prevails in the Midlands and on the east coast and also over central France. In the north of the British Isles and at many Scandinavian stations the weather is fine. Temperature has fallen generally in our Islands; in the west the change has not been large, and readings remain high, but over the Midlands this morning's readings are 10° lower than those reported yesterday and for the most part differ but little from 32°. Frost still prevails on the Continent, but today's readings are slightly higher than those of yesterday in most places. The sea is very rough off the mouth of the Channel, and on the southeast of Ireland, moderate or slight elsewhere.

During the past 24 hours the temperature reached 45° at the majority of our stations, but during the night, minima of less than 30° were experienced in the Midlands, the lowest reading reported is 28° at Oxford. Rain fell in most places; at Valencia 0·78 inch was recorded. The amounts of bright sunshine reported are small.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The disturbance in the west will probably spread eastward; as it does so, the wind over the eastern half of our Islands will freshen from between S and SE, and cause the fog at present prevailing to disperse. The rainy conditions which obtain in the west will also spread eastward.

# FORECASTS*

*For the 24 hours ending at NOON on* 5TH JANUARY, 1904

| DISTRICTS. | FORECASTS. |
|---|---|
| 0 SCOTLAND NORTH<br>1 SCOTLAND EAST | Light variable breezes, becoming E^ly or SE^ly; fair, some showers. |
| 2 ENGLAND N.E.<br>3 ENGLAND EAST<br>4 MIDLAND COUNTIES<br>5 ENGLAND SOUTH | S^ly to SE^ly winds, freshening; dull, with rain at times, misty. Rather mild. |
| 6 SCOTLAND WEST<br>7 ENGLAND N.W. | SE^ly winds, moderate or fresh; fair, some showers. |
| 8 ENGLAND S.W | S^ly to SE^ly winds, strong, a gale in places; rainy, mild. |
| 9 IRELAND NORTH | SE^ly to E^ly winds, fresh to strong; cloudy, some rain. |
| 10 IRELAND SOUTH | S^ly to SE^ly winds, fresh or strong; dull, and rainy. Mild. |
| WARNINGS | At 9.30 am. today to district 8 "Rehoist South Cone". The signals are still up in districts 2, 3 and 5. |

*Note.*—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.
The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

# REPORTS FOR YESTERDAY.

| STATIONS. | Temperature F. Max. | Temperature F. Min. | Weather. | Sunshine. Hrs. | Rainfall. Ins. |
|---|---|---|---|---|---|
| Blackpool, to 9 p.m. ... ... | 45 | 34 | c | 0·0 | 0·06 |
| Southport, to 9 p.m. ... ... | 45 | 37 | b,c,p,or | 0·0 | 0·03 |
| Rhyl, ... ... ... ... ... | * | * | * | 0·5 | * |
| Llandudno ... ... ... ... | * | * | * | 0·6 | * |
| Bettws-y-Coed, to 6 p.m. ... | 48 | 38 | bc,c,r,c | 0·0 | * |
| Aberystwyth, to 6 p.m. ... | 46 | 40 | o, c | 4·0 | – |
| Plymouth, to 9 p.m. ... ... | | | | | |
| Bournemouth to 6 p.m. ... | | | | | |
| Worthing ... ... ... ... | * | * | * | 0·0 | * |
| Brighton ... ... ... ... | 46 | * | * | 0·0 | * |
| Eastbourne, to 6 p.m. ... | 45 | * | * | 0·0 | * |

| STATIONS. | Temperature F. Max. | Temperature F. Min. | Weather. | Sunshine. Hrs. | Rainfall. Ins. |
|---|---|---|---|---|---|
| Hastings ... ... ... ... | * | * | * | 0·0 | * |
| Broadstairs ... ... ... ... | * | * | * | | * |
| Margate ... ... ... ... | 45 | 33 | c | 0·1 | 0·02 |
| Lowestoft, to 6 p.m. ... ... | | | | | |
| Skegness ... ... ... ... | * | * | * | | * |
| Scarborough, to 6 p.m. ... | 43 | * | * | 0·0 | * |
| Harrogate, to 6 p.m. ... | 41 | 32 | o,f,o,g | 0·0 | 0·07 |
| Manchester, to 9 p.m. ... | | | | | |
| Darwen, to 7 p.m. ... .. | 42 | 34 | or, c | 0·0 | 0·23 |
| Birmingham, to 9 p.m. ... | 43 | 37 | o,d,m | 0·0 | 0·06 |

## TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

| STATIONS. 3rd Jan. 1904 | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|
| Obsvs not recd | | | | |
| Copenhagen ... ... ... | | | | |
| Utrecht ... ... ... ... | | | | |
| Groningen ... ... ... ... | | | | |
| Vienna ... ... ... ... ... | | | | |
| Marseilles ... ... ... ... | | | | |
| Florence ... ... ... ... | | | | |
| Rome ... ... ... ... ... | | | | |
| Naples ... ... ... ... ... | | | | |
| Palermo ... ... ... ... | | | | |
| Malta ... ... ... ... ... | | | | |

| STATIONS. | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|
| Algiers ... ... ... ... | | | | |
| Tunis ... ... ... ... | | | | |
| Madeira (Funchal) ... ... | | | | |
| 2nd Jan. 1904. | 1 p.m. | | 1 p.m. | Measured 7 a.m. |
| Geneva ... ... ... ... | 28 | * | f | – |
| Berne ... ... ... ... | 27 | * | m | – |
| Coire ... ... ... ... | 34 | * | b | – |
| Castasegna ... ... ... | 32 | * | b | – |
| Lugano ... ... ... ... | 39 | * | b | – |
| Davos ... ... .. ... | 25 | * | b | – |

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

| COUNTRIES, &c | Hours of Morning Observations by Local Standard Time. | Corresponding Greenwich Times. | Hours of Evening Observations by Local Standard. | Corresponding Greenwich Times. |
|---|---|---|---|---|
| British Isles, Belgium† ... | 8 a.m. (West European) | 8 a.m. | 6 p.m.‡ (W.E.T.) | 6 p.m.‡ |
| Holland ... ... ... ... ... | 8 a.m. ( ,, ,, ) | 8 a.m. | 7 p.m. (W.E.T.) | 7 p.m. |
| Germany, Denmark, Norway, Sweden | 8 a.m. (Mid-European) | 7 a.m. | 8 p.m. (M.E.T.) | 7 p.m. |
| France ... ... ... ... ... | 7 a.m. (Paris) ... ... | 6.51 a.m. | 6 p.m. (Paris) | 5.51 p.m. |
| Spain ... ... ... ... ... | 8 a.m. (West European) | 8 a.m. | 6 p.m. (W.E.T.) | 6 p.m. |
| Portugal ... ... ... ... ... | 8 a.m. (Lisbon) ... ... | 8.23 a.m. | 3.23 p.m. (Lisbon) | 4 p.m. |
| Azores: Ponta Delgada ... ... | 6 a.m. (Local) ... ... | 7.43 a.m. | 9 p.m. (Local) | 10.43 p.m. |
| Azores: Horta ... ... ... | 6 a.m. (Local) ... ... | 7.55 a.m. | 9 p.m. (Local) | 10.55 p.m. |

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

| 4th Jan. 1904 | Sunrise G.M.T. | Noon G.M.T. | Sunset G.M.T. |
|---|---|---|---|
| Yarmouth ... ... ... | 8.5 | 11.58 | 3.50 |
| Greenwich ... ... ... | 8.8 | 12.5 | 4.2 |
| Wick ... ... ... ... | 9.3 | 12.17 | 3.30 |
| Valencia ... ... ... | 8.50 | 12.46 | 4.41 |

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FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

# DAILY WEATHER REPORT

*for 8 a.m. on* Tuesday, 5th January, 1904.

*Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London.* **W. N. SHAW**, *Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins. | Temp. Dry Bulb. ° | Wind. Direc. | Wind. Force (0 to 12.) | Weather | THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins. | Barometer. Change since Yesterday. Ins. | Temperature. Dry Bulb. ° | Temperature. Wet Bulb. ° | Temperature. Change since Yesterday. ° | Wind. Direc. | Wind. Force (0 to 12.) | Weather. | Sea (0 to 9.) | PAST 24 HOURS. Temp. Max. ° | Temp. Min. ° | Weather | Sunshine Hours | Rainfall Ins. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SCANDINAVIA | Haparanda... ... | 30.28 | 8 | N | 0 | 0 | 30.33 | +.10 | 21 | 21 | +13 | W | 2 | 0 | * | 21 | 1 | – | * | – |
| | Hernösand ... ... | 30.31 | 8 | N | 0 | 0 | 30.33 | +.07 | 14 | 13 | +2 | N | 0 | 0 | * | 28 | -9 | – | * | – |
| | Stockholm ... ... | 30.34 | 29 | N | 0 | 0 | 30.33 | -.07 | 31 | 29 | 0 | S | 2 | 0 | * | 31 | 28 | – | * | – |
| | Wisby... ... ... | 30.33 | 30 | N | 0 | 0 | 30.34 | -.08 | 30 | 28 | 0 | S | 2 | 0 | * | 34 | 28 | – | * | – |
| | Karlstad ... ... | 30.28 | 28 | SSE | 2 | 0 | 30.25 | -.07 | 30 | 29 | +3 | S | 2 | r | * | * | * | – | * | – |
| | Færder (X'iania Fjord) | 30.19 | 30 | ENE | 4 | 0 | 30.23 | -.06 | 30 | 29 | +4 | ENE | 2 | 0 | 2 | 30 | 26 | – | * | – |
| | Bodö ... ... ... | 30.13 | 32 | E | 4 | b | 30.06 | -.04 | 34 | 31 | +5 | E | 4 | b | 1 | 34 | 28 | – | * | – |
| | Christiansund ... | 30.02 | 33 | ESE | 1 | b | 30.05 | +.03 | 37 | 34 | -2 | WSW | 4 | c | 3 | 39 | 32 | – | * | – |
| | Skudesnaes ... | 30.02 | 32 | ESE | 4 | c | 30.09 | +.09 | 35 | 34 | 0 | ESE | 4 | 0 | 3 | 35 | 32 | 0, c | * | * |
| BRITISH ISLANDS | Sumburgh Head | 29.77 | 39 | SE | 6 | 0 | 29.90 | +.24 | 38 | 38 | -5 | E | 1 | r | 6 | 43 | 37 | r, 0 | * | 0.13 |
| | Stornoway ... ... | 29.61 | 38 | N | 0 | 0 | 29.87 | +.38 | 29 | 28 | -12 | S | 1 | b | 1 | 46 | 26 | bc, 0 | 2.9 | – |
| | Malin Head ... | 29.49 | 43 | SE | 6 | 0 | 29.85 | +.44 | 37 | 36 | 0 | SE | 3 | bc | 3 | 43 | 36 | bc, 0 | * | – |
| | Blacksod Pt. ... | 29.39 | 43 | ENE | 6 | 0p | 29.85 | +.60 | 39 | 37 | -2 | SE | 2 | bm | 3 | 44 | 37 | r, 0p | * | 0.03 |
| | Valencia ... ... | 29.27 | 41 | NE | 1 | 0m | 29.83 | +.70 | 43 | 42 | +3 | NNE | 2 | 0m | 4 | 44 | 36 | 0m | 0.0 | 0.04 |
| | Roche's Point ... | 29.28 | 41 | NNW | 1 | bc | 29.80 | +.63 | 40 | 40 | -5 | NNE | 1 | b | 1 | 45 | 39 | p, c, bc | * | 0.30 |
| | Parsonstown ... | 29.31 | 42 | E | 2 | 0 | 29.86 | +.58 | 42 | 41 | 0 | N | 2 | 0 | * | 45 | 40 | 0r, 0 | 0.0 | 0.30 |
| | Donaghadee ... | 29.47 | 45 | SE | 5 | 0q | 29.85 | +.38 | 42 | 40 | -3 | SSE | 4 | 0 | 4 | 45 | 38 | – | * | – |
| | Liverpool Obsy... | 29.48 | 36 | E | 4 | bc | 29.89 | +.32 | 41 | 40 | +9 | E | 1 | 0 | ? | 42 | 30 | f, bc p, f | * | 0.04 |
| | Holyhead ... ... | 29.38 | 40 | ESE | 5 | gmd | 29.81 | +.34 | 39 | 38 | -1 | SE | 1 | b | 1 | 44 | 37 | c, dmg | * | 0.11 |
| | Pembroke (St Ann's) | 29.27 | 45 | SSE | 2 | 0 | 29.78 | +.39 | 41 | 40 | -4 | E | 5 | bc | 4 | 50 | 37 | 0, q p | 0.0 | 0.21 |
| | Scilly (St. Mary's) ... | 29.28 | 48 | WSW | 3 | c | 29.58 | +.31 | 47 | 44 | 0 | NNE | 5 | c | 7 | 49 | 44 | cp, c | 1.3 | 0.27 |
| | Jersey (St. Aubins) ... | | | | | | | | | | | | | | | | | | | |
| | Portland Bill ... | 29.37 | 46 | S | 5 | r | 29.71 | +.12 | 44 | 43 | 0 | ESE | 4 | c | 3 | 46 | 41 | 0, rq, r | * | 0.12 |
| | Dungeness ... ... | 29.62 | 42 | SW | 5 | r | 29.86 | +.18 | 43 | 41 | 0 | S | 3 | c | 2 | 45 | 41 | c, r | 1.6 | 0.05 |
| | Wick ... ... ... | 29.65 | 42 | SSE | 4 | 0 | 29.87 | +.32 | 32 | 31 | -10 | W | 2 | c | 4 | 46 | 30 | – | * | 0.02 |
| | Nairn ... ... ... | 29.65 | 32 | E | 1 | c | 29.90 | +.35 | 35 | 34 | -2 | W | 1 | 0 | 1 | 42 | 30 | – | * | – |
| | Aberdeen ... ... | 29.66 | 40 | ESE | 5 | pq | 29.95 | +.34 | 35 | 34 | -3 | WSW | 2 | cm | 4 | 42 | 33 | 0, pq | 0.0 | 0.19 |
| | Leith ... ... ... | 29.57 | 31 | E | 1 | b | 29.96 | +.42 | 34 | 34 | -2 | ESE | 1 | b | * | 45 | 30 | bc, b | * | – |
| | North Shields ... | 29.60 | 37 | N | 0 | f | 29.92 | +.33 | 44 | 43 | +8 | SE | 3 | 0 | 3 | 44 | 33 | f, r | * | 0.02 |
| | Spurn Head .. | 29.61 | 39 | ESE | 4 | b | 29.90 | +.29 | 42 | 40 | +4 | SE | 4 | bc | 3 | 43 | 36 | f, b | * | 0.02 |
| | Yarmouth ... ... | 29.66 | 41 | SSE | 5 | 0 | 29.87 | +.25 | 41 | 40 | -1 | SSE | 4 | bc | 4 | 42 | 39 | c, 0, r | * | 0.05 |
| | Clacton-on-Sea ... | 29.65 | 40 | ENE | 4 | c | 29.90 | +.23 | 40 | 39 | +4 | ENE | 2 | bc | 2 | 43 | 34 | – | 3.3 | 0.02 |
| | Nottingham ... | 29.56 | 38 | E | 1 | 0 | 29.86 | +.24 | 41 | 40 | +8 | E | 1 | 0 | * | 42 | 31 | f, 0, r | 0.0 | 0.07 |
| | Bath ... ... ... | 29.39 | 39 | NE | 4 | 0 | 29.81 | +.22 | 39 | 39 | +6 | NE | 2 | c | * | 45 | 33 | – | 0.0 | 0.16 |
| | Oxford ... ... | 29.49 | 43 | SE | 2 | r | 29.86 | +.22 | 37 | 37 | +4 | N | 0 | 0 | * | 44 | 33 | f, r | * | 0.11 |
| | London (Brixton) ... | 29.53 | 43 | SE | 2 | 0r | 29.84 | +.19 | 42 | 41 | +4 | ESE | 2 | 0m | * | 47 | 34 | bcm, r | 0.9 | 0.06 |
| GERMANY, &c. | The Scaw (Skagen) | 30.13 | 33 | SE | 5 | s | 30.19 | -.02 | 34 | 34 | +3 | SE | 4 | 0 | 1 | 34 | 30 | – | * | – |
| | Fanö ... ... ... | 29.97 | 30 | ESE | 4 | 0 | 30.12 | +.14 | 31 | 31 | +1 | ESE | 2 | 0 | * | 34 | 30 | – | * | – |
| | Cuxhaven ... ... | 29.94 | 30 | S | 2 | 0 | 30.07 | +.15 | 32 | 32 | +4 | E | 1 | 0 | * | 32 | 28 | – | * | – |
| | The Helder ... | 29.80 | 37 | S | 1 | f | 29.98 | +.25 | 32 | 32 | +6 | ESE | 1 | b | 1 | 37 | 26 | – | * | – |
| | Brussels ... ... | * | * | * | * | * | 29.93 | +.14 | 32 | 31 | -3 | E | 1 | b | * | 39 | 31 | – | * | – |
| | Berlin ... ... ... | 30.06 | 29 | ESE | 3 | 0 | 30.11 | +.04 | 23 | 22 | -5 | ESE | 3 | b | * | 32 | 23 | – | * | – |
| | Frankfürt ... ... | 29.99 | 30 | E | 2 | r | 29.97 | -.03 | 32 | 32 | +8 | N | 1 | 0 | * | 32 | 24 | – | * | – |
| | Munich ... ... | 29.96 | 22 | E | 3 | 0 | 29.88 | -.11 | 25 | 25 | +11 | N | 0 | f | * | 27 | 14 | – | * | – |
| FRANCE. | C. Gris Nez ... | 29.65 | 40 | S | 4 | 0 | 29.78 | +.08 | 41 | 36 | -1 | E | 3 | 0 | 1 | 43 | 36 | – | * | 0.04 |
| | Brest ... ... ... | 29.37 | 48 | SSW | 5 | c | 29.54 | +.02 | 45 | 42 | -3 | N | 4 | c | 6 | 50 | 41 | – | * | 0.28 |
| | Lorient ... ... | 29.49 | 48 | SW | 5 | 0 | 29.61 | -.02 | 44 | 44 | -3 | W | 3 | 0 | 5 | 52 | 41 | – | * | 0.63 |
| | Rochefort ... ... | 29.66 | 48 | SSW | 5 | 0 | 29.73 | -.12 | 43 | 42 | -4 | S | 3 | b | * | 50 | 43 | 0, r | * | 0.20 |
| | Biarritz ... ... | 29.77 | 50 | SW | 4 | r | 29.82 | -.18 | 47 | 43 | 0 | W | 4 | 0 | 5 | 54 | 41 | – | * | 0.83 |
| | Paris ... ... ... | 29.75 | 41 | SSE | 3 | b | 29.82 | -.01 | 34 | 33 | -3 | E | 2 | bc | * | 46 | 34 | – | * | – |
| | Belfort... ... ... | 29.89 | 31 | ENE | 4 | c | 29.89 | -.06 | 26 | 26 | -4 | ENE | 4 | f | * | 35 | 26 | – | * | – |
| | Lyons ... ... ... | 29.99 | 37 | W | 1 | 0 | 29.95 | -.08 | 29 | 28 | -3 | N | 1 | bc | * | 42 | 27 | – | * | – |
| | Nice ... ... ... | 29.84 | 44 | SE | 2 | b | 29.88 | +.02 | 38 | 38 | -3 | E | 1 | 0 | 3 | 52 | 37 | – | * | 0.12 |
| | Perpignan ... ... | 29.84 | 42 | N | 0 | b | 29.74 | -.25 | 42 | 41 | -6 | NW | 2 | r | * | 54 | 36 | – | * | 0.08 |
| SPAN. PEN. | Corunna ... ... | | | | | | | | | | | | | | | | | | * | |
| | Lisbon ... ... | 30.12 | 54 | WNW | 4 | 0 | 30.04 | -.17 | 48 | 46 | -6 | NNE | 5 | 0 | * | 57 | 48 | – | * | 0.20 |
| | Azores (P. Delgada)... | 30.43 | 58 | N | 0 | 0 | 30.38 | -.03 | 60 | 56 | +4 | SW | 4 | b | 3 | 64 | 55 | – | * | – |
| | ,, (Horta) ... | 30.40 | 61 | SW | 4 | 0 | 30.33 | -.08 | 61 | 58 | +3 | SW | 4 | 0 | 2 | 64 | 58 | – | * | – |

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

† *Observations received too late for insertion in Charts on next page.*

# WEATHER CHARTS

FOR Tuesday, 5th January, 1904.

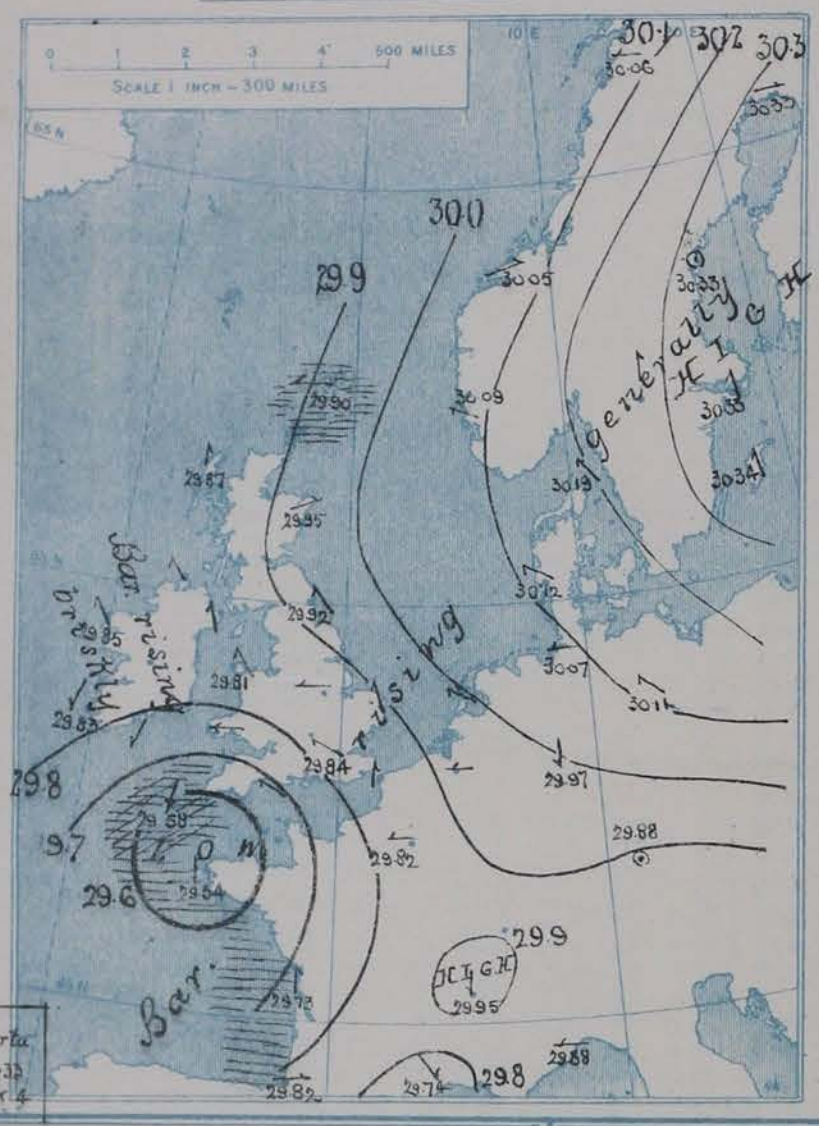
## I. BAROMETER, WIND AND SEA. *This Morning.*

*BAROMETER.—Isobars are drawn for each tenth of an inch.*

*WIND.—Arrows show Directions and Force, flying with the wind.*

*Force above 10* — *Force 8 to 10* — *Force 5 to 7* — *Force 1 to 4* — Calm ⊙

*SEA.—Rough* — *High*

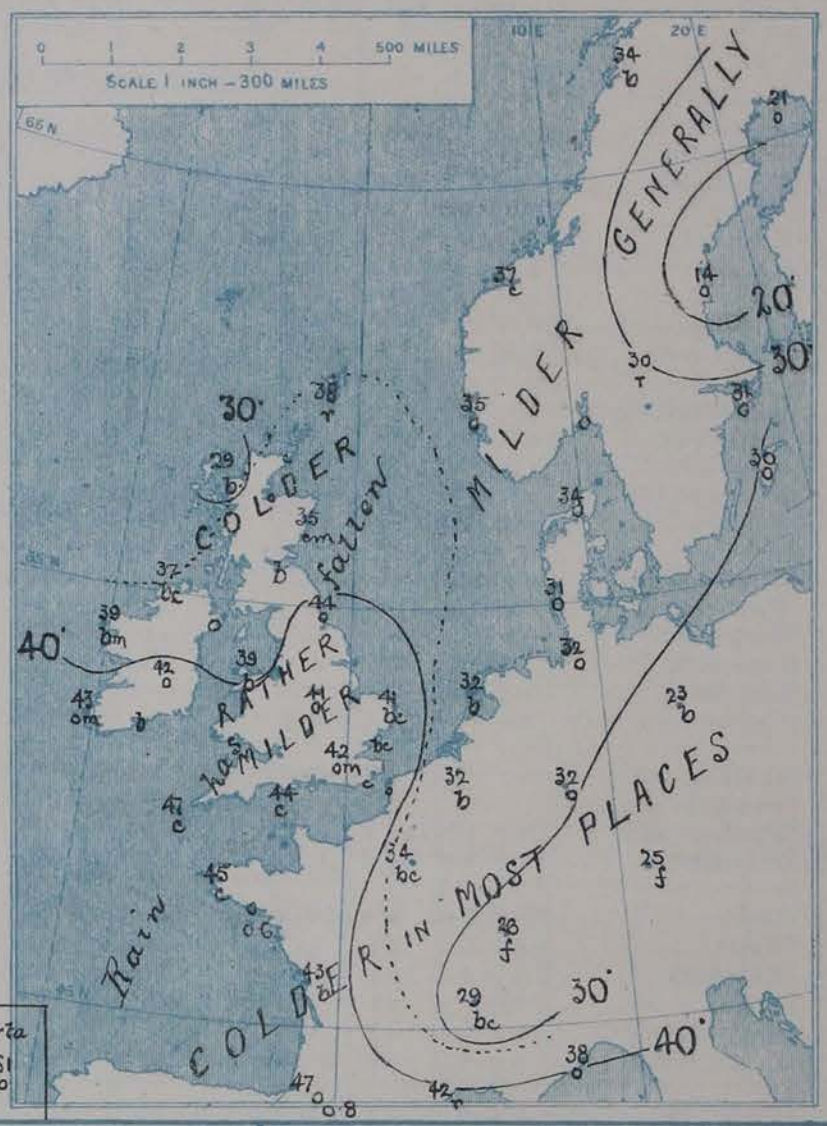



## II. TEMPERATURE AND WEATHER. *This Morning.*

*TEMPERATURE.—Isotherms are drawn for each 10°.*

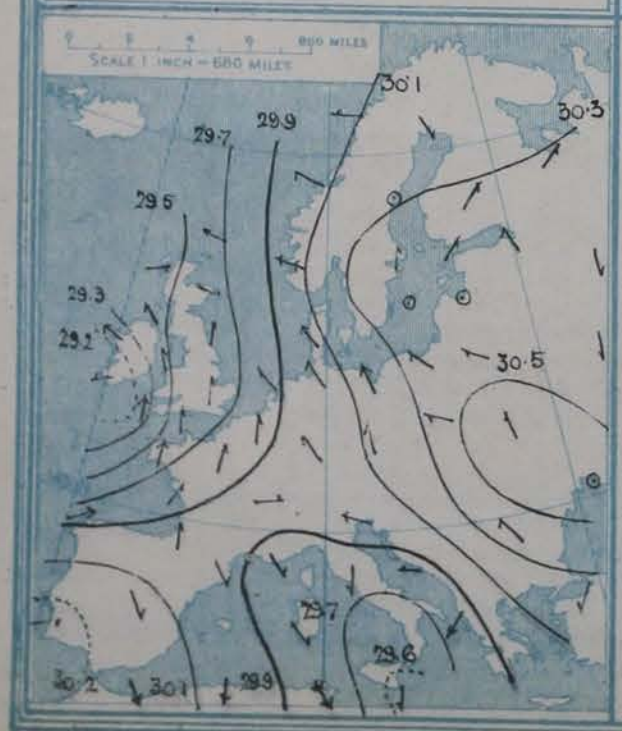
*WEATHER.—Shown by Letters of the Beaufort Scale.* *(See P. 4.)*

*RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus - 0·6*




## III. BAROMETER AND WIND

*Yesterday morning.*




## IV. GREATEST AND LEAST MONTHLY RAINFALL IN JANUARY

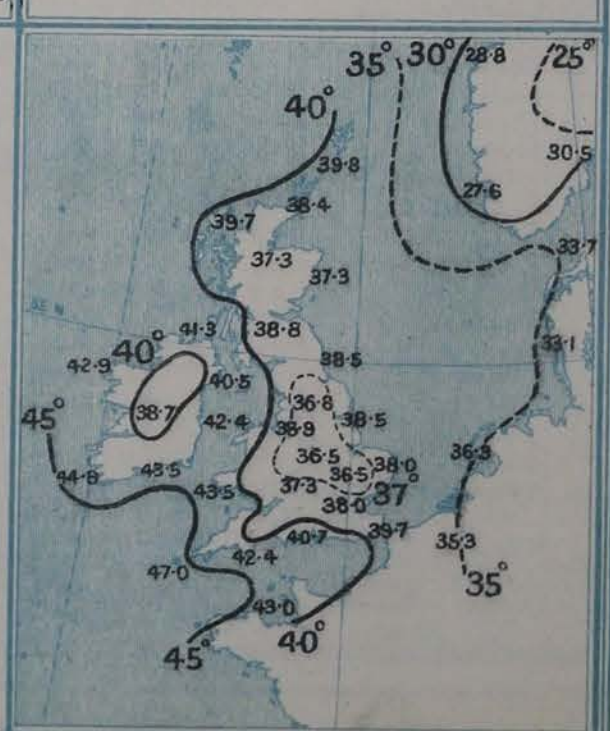
*During the 33 Years 1871-1903.*

*Specimen (for LONDON)* { *Greatest Rainfall* 4·69 (IN 1877); *Least ... Do.* 0·37 (IN 1880) }

## V. *Means of* DAILY TEMPERATURE

*at 8 A.M. for the Two monthly period*

DECEMBER-JANUARY (1871-1900)



# GENERAL SITUATION AT 8 A.M.

**PRESSURE**

The disturbance which was shown in the southwest of Ireland yesterday morning, has moved slowly in a southeasterly direction; its minimum of pressure is now to be found over the mouth of the Channel. Pressure remains highest over Scandinavia. The gradient is still steep in the southwest of our Islands but elsewhere it is slight. Readings range from 29.54 ins. at Brest to 30.34 ins. at Wisby.

**WIND, TEMPERATURE, WEATHER AND SEA**

The wind over England and Ireland is E^ly or SE^ly and generally moderate or light. In the southwest it is still blowing strongly, and at Scilly it has veered to NNE. In Scotland the wind has fallen very light. A light E^ly air current prevails over central Europe. The weather is fair generally, though a considerable amount of cloud prevails; in the north rain is falling at Sumburgh Head and Karlstad; fog is reported from Belfort and Munich. Temperature has changed somewhat fitfully; it is at present mild over England and Ireland, but in Scotland readings are rather low. Frost still prevails at most German and Scandinavian stations. The sea is rough in the Bay of Biscay and high at Scilly. It is also rough at Sumburgh Head, where a strong E^ly wind was experienced during yesterday; elsewhere it is moderate or slight.

During the past 24 hours, rain fell at almost all home stations, but the amounts were generally small. The largest values are reported from the south of Ireland, Roches Point 0.30 in., and the southwest of England, Scilly 0.27 in. Heavy rain fell on the west coast of France; Biarritz 0.83 in., Lorent 0.63 in. The amounts of sunshine reported are small and much fog was experienced during the early part of the day in the east and midlands. Temperature rose to 50° at Pembroke; the lowest reading received is 26° at Stornoway.

**PROBABLE CHANGES IN SYSTEM NOW PREVALENT**

The disturbance in the southwest is filling up. The easterly type of pressure distribution which has set in over our Islands will probably continue and cause a return of colder weather. As the gradient has become very slight mist or fog may be expected in many places.

# FORECASTS*

*For the 24 hours ending at NOON on* 6TH January, 1904

| DISTRICTS. | FORECASTS. |
|---|---|
| 0 SCOTLAND NORTH<br>1 SCOTLAND EAST | Light variable breezes, finally E^ly; fair generally. |
| 2 ENGLAND N.E.<br>3 ENGLAND EAST<br>4 MIDLAND COUNTIES<br>5 ENGLAND SOUTH | E^ly to SE^ly winds, light or moderate; fair as a whole, becoming colder; mist or fog in places. |
| 6 SCOTLAND WEST | Same as Nos. 0 & 1. |
| 7 ENGLAND N.W. | Light E^ly breezes; fair, becoming colder; mist or fog in places. |
| 8 ENGLAND S.W | E^ly to NE^ly winds, strong to moderate; fair, some showers. |
| 9 IRELAND NORTH | Light winds, mainly E^ly; fair generally. |
| 10 IRELAND SOUTH | E^ly to NE^ly winds, light to moderate; fair generally. Colder. |
| WARNINGS | The South Cone is still up in district 8. |

*Note.*—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

# REPORTS FOR YESTERDAY.

| STATIONS. | Temperature F. Max. | Temperature F. Min. | Weather. | Sunshine. Hrs. | Rainfall. Ins. |
|---|---|---|---|---|---|
| Blackpool, to 9 p.m. ... ... | 41 | 32 | b, c | 0·0 | 0·01 |
| Southport, to 9 p.m. ... ... | 39 | 31 | o | 0·0 | – |
| Rhyl, ... ... ... ... ... | * | * | * | 1·1 | * |
| Llandudno ... ... ... ... | * | * | * | 1·0 | * |
| Bettws-y-Coed, to 6 p.m. ... | 42 | 32 | b c, o | 0·5 | * |
| Aberystwyth, to 6 p.m. ... | 46 | 40 | o, c, r | 1·0 | 0·04 |
| Plymouth, to 9 p.m. ... ... | 48 | 37 | o, o r, o p | 0·0 | 0·29 |
| Bournemouth to 6 p.m. ... | | | | | |
| Worthing ... ... ... ... | * | * | * | 0·6 | * |
| Brighton ... ... ... ... | 46 | * | * | 0·7 | * |
| Eastbourne, to 6 p.m. ... | 45 | * | * | 1·0 | * |
| Hastings ... ... ... ... | * | * | * | | * |
| Broadstairs... ... ... ... | * | * | * | 1·5 | * |
| Margate ... ... ... ... | 44 | 33 | c, b | 2·0 | 0·25 |
| Lowestoft, to 6 p.m. ... ... | | | | | |
| Skegness ... ... ... ... | * | * | * | 2·8 | * |
| Scarborough, to 6 p.m. ... | 43 | * | * | 0·0 | * |
| Harrogate, to 6 p.m. ... | 42 | 30 | o g, o f | 0·0 | 0·13 |
| Manchester, to 9 p.m. ... | 43 | 30 | m, d p, o u | 2·2 | 0·01 |
| Darwen, to 9 p.m. ... .. | 39 | 31 | r, o, c, o m | 0·0 | 0·02 |
| Birmingham, to 9 p.m. ... | 40 | 30 | f, p, r, | 0·0 | 0·09 |

## TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

| STATIONS. 4th Jany. 1904 | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|
| Copenhagen ... ... ... | 46 | 23 | o, o | – |
| Utrecht... ... ... ... ... | 39 | 23 | c, m | – |
| Groningen ... ... ... ... | 41 | 21 | c, c | – |
| Vienna ... ... ... ... ... | 32 | 28 | o, o | – |
| Marseilles ... ... ... ... | 57 | 37 | c, c | – |
| Florence ... ... ... ... | 47 | 43 | o, r | 0·04 |
| Rome ... ... ... ... ... | 54 | 47 | o, o | 0·08 |
| Naples ... ... ... ... ... | 53 | 50 | o, o | 0·16 |
| Palermo ... ... ... ... | 55 | 49 | r, o | 0·28 |
| Malta ... ... ... ... ... | 58 | 49 | o | 0·63 |

| STATIONS. | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|
| Algiers ... ... ... ... | 61 | 54 | o, c | 0·16 |
| Tunis ... ... ... ... | 57 | 45 | f, o | – |
| Madeira (Funchal) ... ... | Not | rec^d | | |
| 3rd Jany. 1903 | 1 p.m. | Observ^s | 1 p.m. | Measured 7 a.m. |
| Geneva ... ... ... ... | | * | not rec^d | |
| Berne ... ... ... ... | | * | | |
| Coire ... ... ... ... | | * | | |
| Castasegna ... ... ... | | * | | |
| Lugano ... ... ... ... | | * | | |
| Davos ... ... .. ... | | * | | |

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

| COUNTRIES, &c. | Hours of Morning Observations by Local Standard Time. | Corresponding Greenwich Times. | Hours of Evening Observations by Local Standard. | Corresponding Greenwich Times. |
|---|---|---|---|---|
| British Isles, Belgium† ... | 8 a.m. (West European) | 8 a.m. | 6 p.m.‡ (W.E.T.) | 6 p.m.‡ |
| Holland ... ... ... ... ... | 8 a.m. ( ,, ,, ) | 8 a.m. | 7 p.m. (W.E.T.) | 7 p.m. |
| Germany, Denmark, Norway, Sweden | 8 a.m. (Mid-European) | 7 a.m. | 8 p.m. (M.E.T.) | 7 p.m. |
| France ... ... ... ... ... | 7 a.m. (Paris) ... ... | 6.51 a.m. | 6 p.m. (Paris) | 5.51 p.m. |
| Spain ... ... ... ... ... | 8 a.m. (West European) | 8 a.m. | 6 p.m. (W.E.T.) | 6 p.m. |
| Portugal ... ... ... ... ... | 8 a.m. (Lisbon) ... ... | 8.36 a.m. | 3.23 p.m. (Lisbon) | 4 p.m. |
| Azores: Ponta Delgada ... ... | 6 a.m. (Local) ... ... | 7.43 a.m. | 9 p.m. (Local) | 10.43 p.m. |
| Azores: Horta ... ... ... | 6 a.m. (Local) ... ... | 7.55 a.m. | 9 p.m. (Local) | 10.55 p.m. |

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

| 5th Jany. 1904 | Sunrise G.M.T. | Noon G.M.T. | Sunset G.M.T. |
|---|---|---|---|
| Yarmouth ... ... ... | 8.5 | 11.58 | 3.51 |
| Greenwich ... ... ... | 8.7 | 12.5 | 4·3 |
| Wick ... ... ... ... | 9.2 | 12.17 | 3·32 |
| Valencia ... ... ... | 8.50 | 12.46 | 4.42 |

*SUBSCRIPTIONS both for the* Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

# DAILY WEATHER REPORT

*for 8 a.m. on Wednesday, 6th January,* **1904.**

*Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London.* **W. N. SHAW,** *Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins. | Temp. Dry Bulb. ° | Wind. Direc. | Force (0 to 12.) | Weather | THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins. | Change since Yesterday. Ins. | Temperature. Dry Bulb. ° | Wet Bulb. ° | Change since Yesterday. ° | Wind. Direc. | Force (0 to 12.) | Weather. | Sea (0 to 9.) | PAST 24 HOURS. Temp. Max. ° | Min. ° | Weather | Sunshine Hours. | Rainfall Ins. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SCANDINAVIA | Haparanda... ... | 30·32 | 25 | SW | 2 | 0 | 30·25 | −·08 | 23 | 22 | + 2 | NW | 2 | 0 | * | 25 | 7 | – | * | – |
| | Hernösand ... ... | 30·26 | 22 | N | 0 | 0 | 30·28 | −·05 | 21 | 21 | + 7 | N | 0 | 0 | * | 23 | 7 | – | * | – |
| | Stockholm ... ... | 30·36 | 30 | N | 0 | 0 | 30·36 | +·03 | 29 | 27 | − 2 | N | 0 | 0 | * | 32 | 29 | – | * | – |
| | Wisby... ... ... | 30·37 | 30 | S | 2 | 0 | 30·36 | +·02 | 30 | 29 | 0 | SE | 2 | 0 | * | 34 | 28 | – | * | – |
| | Karlstad ... ... | 30·37 | 28 | N | 0 | 0 | 30·38 | +·13 | 29 | 28 | − 1 | N | 0 | 0 | * | * | * | – | * | – |
| | Færder (X'iania Fjord) | 30·35 | 30 | NNW | 1 | 0 | 30·36 | +·13 | 32 | 31 | + 2 | WSW | 1 | 0 | 1 | 32 | 28 | – | * | – |
| | Bodö ... ... ... | 30·01 | 29 | E | 2 | b | 30·06 | ·00 | 31 | 28 | − 3 | E | 4 | 5 | 2 | 34 | 29 | – | * | – |
| | Christiansund ... | 30·17 | 35 | WSW | 2 | c | 30·17 | +·12 | 40 | 37 | + 3 | SW | 2 | c | 4 | 41 | 34 | – | * | – |
| | Skudesnaes ... | 30·27 | 38 | SSE | 8 | c | 30·32 | +·23 | 38 | 36 | + 3 | SSE | 6 | 0 | 4 | 38 | 34 | 0, c | * | * |
| BRITISH ISLANDS. | Sumburgh Head | 30·02 | 40 | SSE | 1 | 0 | 30·04 | +·14 | 42 | 41 | + 4 | SSE | 1 | 0 | 4 | 42 | 36 | b, 0 | * | 0·04 |
| | Stornoway ... ... | 29·97 | 41 | SW | 2 | c | 29·92 | +·05 | 45 | 42 | + 16 | SSE | 5 | 0 | 5 | 46 | 27 | b, c | 2·8 | 0·02 |
| | Malin Head ... | 29·98 | 40 | S | 3 | o g m | 29·85 | ·00 | 42 | 40 | + 5 | S | 7 | o g | 5 | 42 | 36 | c, o g m | * | – |
| | Blacksod Pt. ... | 30·00 | 44 | SSW | 4 | o m | 29·78 | −·07 | 46 | 43 | + 7 | SSE | 7 | c g p | 6 | 47 | 36 | b o m, o | * | 0·02 |
| | Valencia ... ... | 30·05 | 44 | SSE | 3 | c m | 29·94 | +·11 | 48 | 45 | + 5 | SSE | 6 | o g | 5 | 49 | 43 | b m, o m | 3·5 | – |
| | Roche's Point ... | 30·08 | 46 | E | 1 | c | 30·09 | +·29 | 48 | 47 | + 8 | S | 5 | 0 | 4 | 49 | 39 | b, c | * | – |
| | Parsonstown ... | 30·08 | 37 | E | 2 | b c | 30·02 | +·16 | 46 | 44 | + 4 | S | 6 | c g | * | 47 | 34 | c, b c, p | 1·1 | 0·01 |
| | Donaghadee ... | 30·10 | 44 | SSW | 1 | c | 30·12 | +·27 | 44 | 42 | + 2 | SSW | 3 | c | 3 | 45 | 37 | – | * | – |
| | Liverpool Obsy... | 30·14 | 41 | ESE | 1 | 0 | 30·24 | +·35 | 37 | 35 | − 4 | SSE | 2 | b | ? | 43 | 36 | o m | * | – |
| | Holyhead ... ... | 30·09 | 41 | S | 1 | b | 30·20 | +·39 | 41 | 40 | + 2 | S | 3 | o m | 2 | 44 | 34 | b | * | – |
| | Pembroke (St Ann's) | 30·08 | 42 | ESE | 2 | b c | 30·20 | +·42 | 44 | 43 | + 3 | SSE | 5 | g m | 4 | 45 | 39 | – | 4·5 | – |
| | Scilly (St. Mary's) ... | 30·01 | 48 | E | 4 | c | 30·20 | +·62 | 48 | 45 | + 1 | SSE | 4 | c | 6 | 49 | 44 | c | 4·5 | 0·01 |
| | Jersey (St. Aubins) ... | | | | | | | | | | | | | | | | | | | |
| | Portland Bill ... | 30·07 | 44 | E | 3 | c m | 30·23 | +·52 | 39 | 38 | − 5 | ENE | 3 | o m | 3 | 46 | 38 | b c, c m | * | – |
| | Dungeness ... ... | 30·09 | 42 | SE | 2 | b | 30·31 | +·45 | 40 | 38 | − 3 | ESE | 2 | o g | 1 | 44 | 37 | b c, b | 2·3 | – |
| | Wick ... ... ... | 30·00 | 39 | W | 2 | c | 29·98 | +·11 | 40 | 39 | + 8 | S | 1 | c | 2 | 40 | 30 | – | * | – |
| | Nairn ... ... ... | 30·03 | 31 | N | 0 | b | 30·02 | +·12 | 37 | 34 | + 2 | N | 0 | b | 1 | 38 | 25 | – | * | – |
| | Aberdeen ... ... | 30·10 | 41 | SSW | 1 | 0 | 30·12 | +·17 | 37 | 36 | + 2 | SSE | 3 | b m | 3 | 42 | 34 | b c m, o m | 0·0 | – |
| | Leith ... ... ... | 30·04 | 39 | N | 0 | b c | 30·12 | +·16 | 31 | 31 | − 3 | E | 1 | b c | * | 44 | 29 | – | * | – |
| | North Shields ... | 30·08 | 43 | SE | 1 | o m | 30·20 | +·28 | 39 | 38 | − 5 | S | 3 | o m | 3 | 47 | 35 | c m, o m | * | – |
| | Spurn Head .. | 30·15 | 40 | SE | 3 | b | 30·29 | +·39 | 38 | 37 | − 4 | S | 2 | o | 2 | 43 | 33 | b, f | * | 0·01 |
| | Yarmouth ... ... | 30·10 | 40 | E | 3 | b c | 30·26 | +·39 | 39 | 37 | − 2 | NE | 2 | c | 3 | 42 | 37 | b c | * | – |
| | Clacton-on-Sea ... | 30·15 | 38 | NE | 1 | b | 30·30 | +·40 | 37 | 36 | − 3 | NNE | 1 | o | 0 | 42 | 36 | – | 5·3 | – |
| | Nottingham ... | 30·14 | 40 | N | 0 | 0 | 30·31 | +·45 | 32 | 32 | − 9 | S | 1 | f | * | 43 | 31 | – | 0·6 | 0·01 |
| | Bath ... ... ... | 30·09 | 35 | E | 1 | c | 30·31 | +·50 | 33 | 33 | − 6 | S | 1 | o | * | 45 | 32 | – | 0·0 | – |
| | Oxford ... ... | 30·19 | 36 | NE | 1 | 0 | 30·34 | +·48 | 33 | 33 | − 4 | SSE | 1 | d f | * | 45 | 31 | o, f | * | – |
| | London (Brixton) ... | 30·10 | 40 | E | 2 | b | 30·31 | +·47 | 36 | 35 | − 6 | SE | 2 | o g | * | 45 | 35 | o m, b, o | 0·0 | – |
| GERMANY, &c. | The Scaw (Skagen) | 30·34 | 33 | SE | 2 | 0 | 30·38 | +·19 | 33 | 32 | − 1 | SE | 3 | o | 1 | 36 | 32 | – | * | – |
| | Fanö ... ... ... | 30·29 | 32 | NE | 2 | 0 | 30·34 | +·22 | 31 | 30 | 0 | NE | 2 | o | * | 34 | 30 | – | * | – |
| | Cuxhaven ... ... | 30·19 | 31 | E | 2 | b | 30·28 | +·21 | 28 | 27 | − 4 | ENE | 2 | b | * | 34 | 27 | – | * | – |
| | The Helder ... | 30·15 | 35 | E | 1 | 0 | 30·29 | +·31 | 31 | 30 | − 1 | ENE | 1 | b | 0 | 36 | 30 | – | * | – |
| | Brussels ... ... | * | * | * | * | * | 30·30 | +·37 | 28 | 28 | − 4 | NE | 1 | f | * | 43 | 27 | – | * | – |
| | Berlin ... ... ... | 30·19 | 24 | SE | 2 | b | 30·25 | +·14 | 20 | 19 | − 3 | SE | 2 | b | * | 28 | 18 | – | * | – |
| | Frankfürt ... ... | 30·13 | 30 | N | 0 | c | 30·26 | +·29 | 25 | 25 | − 7 | N | 1 | o | * | 36 | 23 | – | * | – |
| | Munich ... ... | 30·03 | 25 | N | 0 | 0 | 30·16 | +·28 | 23 | 23 | − 2 | N | 0 | f | * | 27 | 23 | – | * | – |
| FRANCE. | C. Gris Nez ... | 30·07 | 36 | ENE | 2 | b | ?30·26 | +·48 | 38 | 36 | − 3 | NE | 3 | o | 3 | 41 | 32 | – | * | – |
| | Brest ... ... ... | 29·95 | 45 | E | 3 | c | 30·25 | +·71 | 39 | 39 | − 6 | E | 2 | m | 5 | 48 | 39 | – | * | – |
| | Lorient ... ... | 29·93 | 45 | E | 2 | b c | 30·25 | +·64 | 38 | 37 | − 6 | E | 4 | r | 4 | 48 | 36 | – | * | – |
| | Rochefort ... ... | 29·90 | 43 | E | 3 | b c | 30·17 | +·44 | 36 | 35 | − 7 | ENE | 3 | b | * | 50 | 34 | – | * | – |
| | Biarritz ... ... | 29·88 | 46 | SW | 1 | c | 30·17 | +·35 | 44 | 43 | − 3 | N | 0 | 0 | 7 | 48 | 41 | – | * | 0·75 |
| | Paris ... ... ... | 30·05 | 33 | NE | 2 | b | 30·26 | +·44 | 27 | 27 | − 7 | NNE | 2 | b | * | 39 | 26 | – | * | – |
| | Belfort... ... ... | 30·04 | 26 | ENE | 4 | f | ?30·19 | +·30 | 23 | 23 | − 3 | ENE | 3 | f | * | 33 | 23 | – | * | – |
| | Lyons ... ... ... | 30·04 | 29 | NNW | 1 | b | 30·28 | +·33 | 27 | 27 | − 2 | N | 1 | o f | * | 37 | 24 | – | * | – |
| | Nice ... ... ... | 29·91 | 44 | ENE | 1 | b | 30·02 | +·14 | 41 | 36 | + 3 | E | 1 | b | 4 | 50 | 37 | – | * | – |
| | Perpignan ... ... | 29·78 | 39 | NW | 3 | r | 30·06 | +·32 | 43 | ? | + 1 | W | 2 | c | * | 45 | 37 | – | * | 1·89 |
| SPAN. PEN. | Corunna ... ... | | | | | | | | | | | | | | | | | | * | |
| | Lisbon ... ... | | | | | | | | | | | | | | * | | | | * | |
| | Azores (P. Delgada)... | 30·34 | 62 | SW | 5 | b c | 30·30 | −·08 | 62 | 59 | + 2 | SW | 6 | c | 5 | 64 | 60 | – | * | – |
| | ,, (Horta) ... | 30·26 | 63 | SW | 5 | 0 | 30·21 | −·12 | 63 | 61 | + 2 | SSW | 5 | 0 | 3 | 63 | ? | – | * | – |

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

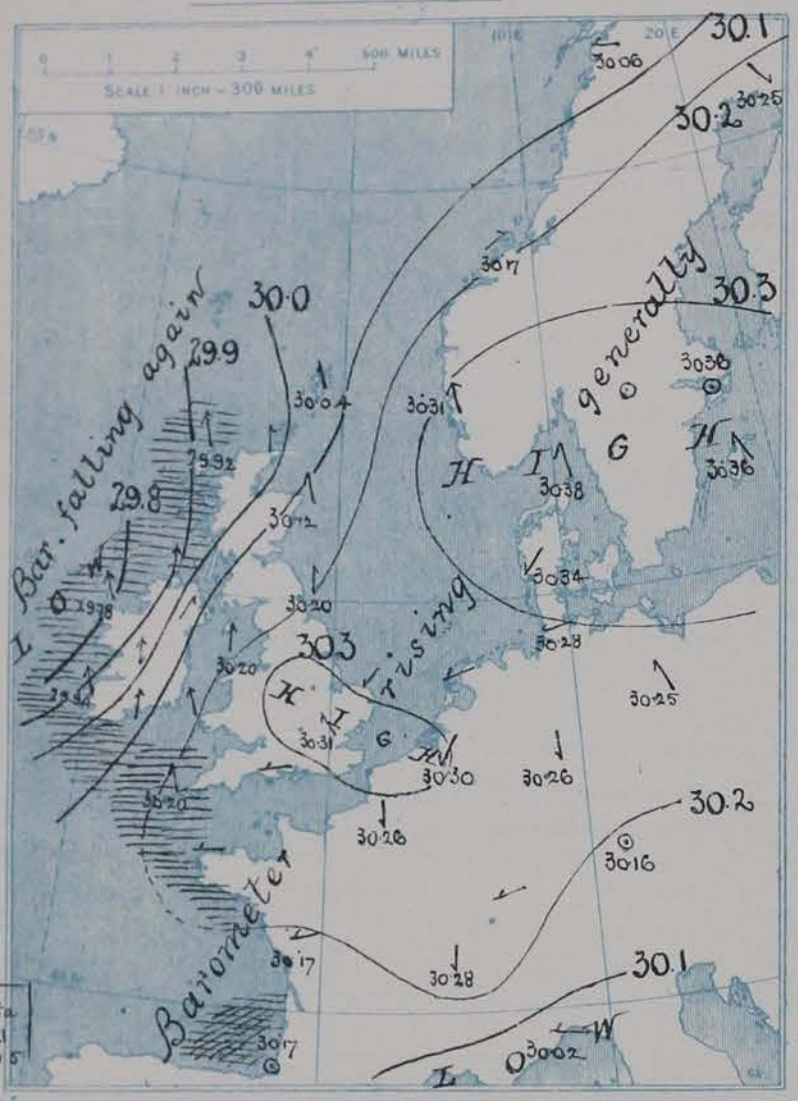
† *Observations received too late for insertion in Charts on next page.*

# WEATHER CHARTS

FOR Wednesday, 6th January, 1904.

## I. BAROMETER, WIND AND SEA. *This Morning.*

*BAROMETER.—Isobars are drawn for each tenth of an inch.*
*WIND.—Arrows show Directions and Force, flying with the wind.*
*Force above 10* ⟶⟶ : *Force 5 to 7* ⟶ : } Calm ⊙
*Force 8 to 10* ⟶ : *Force 1 to 4* ⟶ :
*SEA.—Rough* *High*




## II. TEMPERATURE AND WEATHER. *This Morning.*

*TEMPERATURE.—Isotherms are drawn for each 10°.*
*WEATHER.—Shown by Letters of the Beaufort Scale.* *(See P. 4.)*
*RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus – 0·6*

## III. BAROMETER AND WIND

*Yesterday morning.*

## IV. GREATEST AND LEAST MONTHLY RAINFALL IN JANUARY

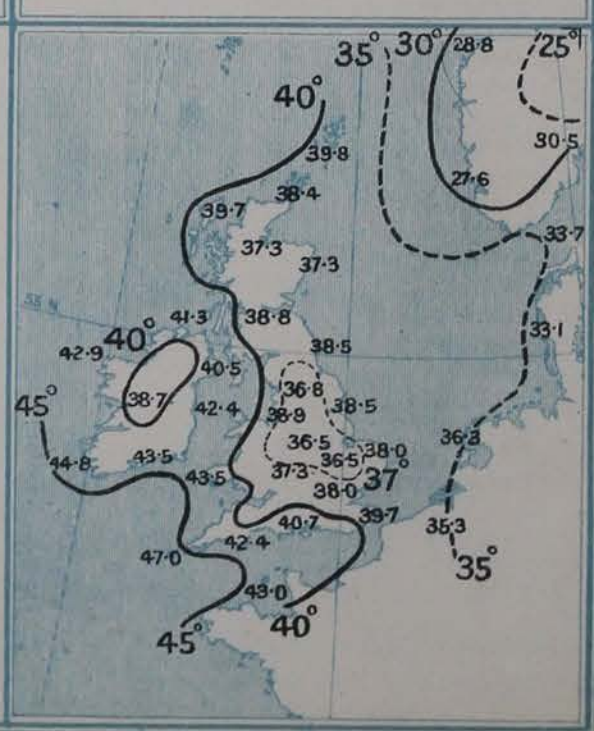
*During the 33 Years 1871–1903.*

*Specimen (for London)* { *Greatest Rainfall* 4·69 (in 1877) / *Least ... Do.* 0·37 (in 1880)

## V. *Means of* DAILY TEMPERATURE

*at 8 A.M. for the Two monthly period*

DECEMBER–JANUARY (1871–1900)



# GENERAL SITUATION AT 8 A.M.

**PRESSURE**

A fresh disturbance has appeared off the Irish coast, and at Blacksod Point the barometer has fallen to 29·78 ins. A small anticyclone has developed during the past 24 hours over our Midland and southern counties where the barometer is now slightly over 30·3 ins. The high pressure system over Scandinavia shows no signs of giving way, it has increased somewhat both in intensity and in extent; the highest reading reported this morning is 30·38 ins. at Karlstad.

**WIND**

The advancing disturbance is causing strong S^ly winds in Ireland and the west of Scotland; further to the east, moderate or light S^ly winds are blowing, and in the extreme east of England as well as over France and Germany the wind is somewhat variable, the prevailing direction being E^ly.

**TEMPERATURE**

**WEATHER AND SEA**

The weather is dull in Ireland, and showers are falling at Blacksod Point. In England and also at most continental stations it is variable in character, much cloud prevails, and also much mist or fog. In the east of Scotland it is fair. A rise of the thermometer has taken place in the region affected by the S^ly wind, in Ireland and the extreme west of Britain readings are for the most part between 44° and 48°. In England there has been little change of temperature at the coast stations, but further inland a decided fall has occurred, at Oxford and Nottingham the thermometer fell to 31° during the night. Frost still prevails over the greater part of the Continent, this mornings readings being slightly lower than those of yesterday in most places; the changes have been most marked on the west coast of France.

During the past 24 hours rainfall in our Islands has been slight, the largest fall is 0·04 in. at Sumburgh Head. The amount of sunshine experienced was generally small, but in the extreme southwest and also in the east of England as much as 5 hours were recorded in places. Temperature ranged between a maximum of 49° at Roche's Point and Scilly and a minimum of 25° at Nairn. 1·89 ins. of rain fell at Perpignan

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The disturbance in the west will probably move northward or slightly east of northward, and will cause strong winds or gales from the S^wd throughout the northwest. Further to the southeast the wind will probably increase somewhat from between SSE and SSW, but no decided change in the conditions now prevailing is to be expected.

# FORECASTS*

*For the 24 hours ending at NOON on* 7^th JANUARY, 1904

| DISTRICTS. | FORECASTS. |
|---|---|
| 0 SCOTLAND NORTH | S^ly to SW^ly winds, strong to a gale; dull, mild, some rain. |
| 1 SCOTLAND EAST | S^ly to SW^ly winds, freshening; becoming dull or cloudy, some rain. Milder. |
| 2 ENGLAND N.E. | |
| 3 ENGLAND EAST | Winds between SE and SW, light or moderate; dull, moderate temperature, misty. |
| 4 MIDLAND COUNTIES | |
| 5 ENGLAND SOUTH | |
| 6 SCOTLAND WEST | Same as No. 0. |
| 7 ENGLAND N.W. | S^ly to SW^ly winds, moderate to strong; dull, some rain. Mild. |
| 8 ENGLAND S.W | Fresh to strong winds from between S and SW; occasional rain. Mild. |
| 9 IRELAND NORTH | S^ly to SW^ly winds, strong to a gale; dull, mild, some rain. |
| 10 IRELAND SOUTH | |
| WARNINGS | At 9.10 am. today to districts 6, 10 and parts of 0 and 9, "Hoist South Cone." |

*Note.*—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone

* *For terms for transmission of Forecasts by Telegraph, see next page.*

# REPORTS FOR YESTERDAY.

| STATIONS. | Temperature F. Max. | Temperature F. Min. | Weather. | Sunshine. Hrs. | Rainfall. Ins. |
|---|---|---|---|---|---|
| Blackpool, to 9 p.m. ... ... | 44 | 34 | 3c, m | 0·0 | – |
| Southport, to 9 p.m. ... ... | 44 | 37 | o, c, om | 0·8 | – |
| Rhyl, ... ... ... ... ... | * | * | * | 1·3 | * |
| Llandudno ... ... ... ... | * | * | * | 5·0 | * |
| Bettws-y-Coed, to 6 p.m. ... | 42 | 31 | 3c, 3 | 0·0 | * |
| Aberystwyth, to 6 p.m. ... | 44 | 38 | r, c, o | 5·0 | 0·05 |
| Plymouth, to 9 p.m. ... ... | 48 | 40 | 3c | 1·5 | 0·07 |
| Bournemouth to 6 p.m. ... | | | | | |
| Worthing ... ... ... ... | * | * | * | 1·0 | * |
| Brighton ... ... ... ... | 46 | * | * | 1·3 | * |
| Eastbourne, to 6 p.m. ... | 45 | * | * | 2·5 | * |

| STATIONS. | Temperature F. Max. | Temperature F. Min. | Weather. | Sunshine. Hrs. | Rainfall. Ins. |
|---|---|---|---|---|---|
| Hastings ... ... ... ... | * | * | * | 2·0 | * |
| Broadstairs... ... ... ... | * | * | * | 5·0 | * |
| Margate ... ... ... ... | 43 | 36 | 3 | 4·5 | 0·02 |
| Lowestoft, to 6 p.m. ... ... | 42 | 37 | o, 3a, 3m | 4·5 | 0·01 |
| Skegness ... ... ... ... | * | * | * | 5·4 | * |
| Scarborough, to 6 p.m. ... | 44 | * | * | 0·0 | * |
| Harrogate, to 6 p.m. ... | 41 | 33 | f, om | 0·0 | 0·10 |
| Manchester, to 9 p.m. ... | 46 | 38 | ogu, m | 0·0 | – |
| Darwen, to 9 p.m. ... .. | 43 | 34 | r, oc, om | 0·5 | 0·04 |
| Birmingham, to 9 p.m. ... | 42 | 40 | o | 0·0 | 0·04 |

## TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

| STATIONS. 5th Jan. 1904 | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|
| Obser^s not rec^d | | | | |
| Copenhagen ... ... ... | | | | |
| Utrecht... ... ... ... ... | | | | |
| Groningen ... ... ... ... | | | | |
| Vienna ... ... ... ... ... | | | | |
| Marseilles ... ... ... ... | | | | |
| Florence ... ... ... ... | | | | |
| Rome ... ... ... ... ... | | | | |
| Naples ... ... ... ... ... | | | | |
| Palermo ... ... ... ... | | | | |
| Malta ... ... ... ... ... | | | | |

| STATIONS. | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|
| Algiers ... ... ... ... | | * | | |
| Tunis ... ... ... ... | | * | | |
| Madeira (Funchal) ... ... | | * | | |
| 4th Jan. 1904. | 1 p.m. | * | 1 p.m. | Measured 7 a.m. |
| Geneva ... ... ... ... | 30 | * | f | – |
| Berne ... ... ... ... | 27 | * | m | – |
| Coire ... ... ... ... | 32 | * | o | – |
| Castasegna ... ... ... | 32 | * | s | – |
| Lugano ... ... ... ... | 36 | * | r | – |
| Davos ... ... .. ... | 27 | * | s | – |

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

### TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

| COUNTRIES, &c. | Hours of Morning Observations by Local Standard Time. | Corresponding Greenwich Times. | Hours of Evening Observations by Local Standard. | Corresponding Greenwich Times. |
|---|---|---|---|---|
| British Isles, Belgium† ... | 8 a.m. (West European) | 8 a.m. | 6 p.m.‡ (W.E.T.) | 6 p.m.‡ |
| Holland ... ... ... ... ... | 8 a.m. ( ,, ,, ) | 8 a.m. | 7 p.m. (W.E.T.) | 7 p.m. |
| Germany, Denmark, Norway, Sweden | 8 a.m. (Mid-European) | 7 a.m. | 8 p.m. (M.E.T.) | 7 p.m. |
| France ... ... ... ... ... | 7 a.m. (Paris) ... ... | 6.51 a.m. | 6 p.m. (Paris) | 5.51 p.m. |
| Spain ... ... ... ... ... | 8 a.m. (West European) | 8 a.m. | 6 p.m. (W.E.T.) | 6 p.m. |
| Portugal ... ... ... ... ... | 8 a.m. (Lisbon) ... ... | 8.36 a.m. | 3.23 p.m. (Lisbon) | 4 p.m. |
| Azores { Ponta Delgada ... ... | 6 a.m. (Local) ... ... | 7.43 a.m. | 9 p.m. (Local) | 10.43 p.m |
| Azores { Horta ... ... ... | 6 a.m. (Local) ... ... | 7.55 a.m. | 9 p.m. (Local) | 10.55 p.m |

### TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

| 6th Jan. 1904. | Sunrise G.M.T. | Noon G.M.T. | Sunset G.M.T. |
|---|---|---|---|
| Yarmouth ... ... ... | 8.5 | 11.59 | 3.52 |
| Greenwich ... ... ... | 8.6 | 12.6 | 4.5 |
| Wick .. ... ... ... | 9.1 | 12.18 | 3.34 |
| Valencia ... ... ... | 8.50 | 12.47 | 4.43 |

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† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

# DAILY WEATHER REPORT

*for 8 a.m. on* Thursday, 7th January, **1904.**

*Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London.* **W. N. SHAW,** *Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins. | Temp. Dry Bulb. ° | Wind. Direc. | Wind. Force (0 to 12.) | Weather | THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins. | Barometer. Change since Yesterday. Ins. | Temperature. Dry Bulb. ° | Temperature. Wet Bulb. ° | Temperature. Change since Yesterday. ° | Wind. Direc. | Wind. Force (0 to 12.) | Weather. | Sea (0 to 9.) | PAST 24 HOURS. Temp. Max. ° | Temp. Min. ° | Weather | Sunshine Hours. | Rainfall. Ins. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SCANDINAVIA | Haparanda... ... | 30·19 | 12 | N | 0 | 0 | 30·09 | −·16 | 26 | 26 | + 3 | SSW | 2 | 0 | * | 27 | 12 | – | * | 0·04 |
| | Hernösand ... ... | 30·30 | 12 | N | 0 | 8 | 30·21 | −·07 | 22 | 21 | + 1 | N | 0 | 0 | * | 25 | 12 | – | * | – |
| | Stockholm ... ... | 30·32 | 23 | N | 0 | 0 | 30·33 | −·03 | 23 | 21 | − 6 | N | 0 | 0 | * | 30 | 23 | – | * | – |
| | Wisby... ... ... | 30·32 | 31 | N | 0 | 5 | 30·31 | −·05 | 32 | 30 | + 2 | N | 0 | 0 | * | 32 | 28 | – | * | – |
| | Karlstad ... ... | 30·34 | 30 | NW | 2 | 0 | 30·28 | −·10 | 28 | 28 | − 1 | WSW | 2 | 0 | * | * | * | – | * | – |
| | Færder (X'iania Fjord) | 30·34 | 26 | NNE | 2 | f | 30·22 | −·14 | 32 | 31 | 0 | S | 4 | 0 | 2 | 32 | 26 | – | * | – |
| | Bodö ... ... ... | 29·98 | 41 | SW | 6 | r | 29·71 | −·35 | 39 | 35 | + 8 | E | 2 | c | 2 | 41 | 30 | – | * | 0·08 |
| | Christiansund ... | 30·05 | 40 | WSW | 1 | c | 29·78 | −·39 | 43 | 39 | + 3 | W | 1 | 0 | 4 | 43 | 39 | – | * | – |
| | Skudesnaes ... | 30·24 | 38 | S | 8 | 0 | 30·05 | −·27 | 38 | 37 | 0 | SSE | 8 | r | 5 | 38 | 36 | 0 | * | * |
| BRITISH ISLANDS. | Sumburgh Head | 29·73 | 43 | SSE | 6 | 0 | 29·66 | −·38 | 43 | 42 | + 1 | SSE | 4 | c | 6 | 43 | 40 | 0 | * | 0·33 |
| | Stornoway ... ... | 29·55 | 43 | SW | 8 | r | 29·58 | −·39 | 45 | 43 | 0 | SSW | 7 | r | 7 | 45 | 38 | 0, r | 0·0 | 0·65 |
| | Malin Head ... | 29·66 | 45 | SW | 8 | rg | 29·64 | −·21 | 44 | 43 | + 2 | S | 4 | 0p | 4 | 45 | 42 | r, rg | * | 0·06 |
| | Blacksod Pt. ... | 29·76 | 47 | SW | 6 | rm | 29·69 | −·09 | 45 | 44 | − 1 | SSW | 8 | rgm | 6 | 49 | 42 | r, rm | * | 1·11 |
| | Valencia ... ... | 29·92 | 51 | SW | 4 | 0m | 29·68 | −·26 | 48 | 47 | 0 | SSE | 2 | r | 4 | 53 | 46 | rm, 0 | 0·0 | 0·67 |
| | Roche's Point ... | 29·98 | 49 | S | 4 | rm | 29·73 | −·36 | 49 | 49 | + 1 | E | 1 | f | 1 | 49 | 47 | 0, rm | * | 0·49 |
| | Parsonstown ... | 29·90 | 49 | SW | 6 | 0 | 29·71 | −·31 | 45 | 44 | − 1 | WSW | 1 | ou | * | 50 | 43 | 0p, 0 | 0·0 | 0·05 |
| | Donaghadee ... | 29·89 | 47 | SSW | 4 | rg | 29·77 | −·35 | 47 | 46 | + 3 | SSW | 1 | 0 | 4 | 48 | 43 | – | * | 0·07 |
| | Liverpool Obsy... | 30·13 | 37 | SSE | 3 | 0 | 29·90 | −·34 | 43 | 42 | + 6 | SE | 2 | r | 2 | 44 | 35 | 0, or | * | 0·10 |
| | Holyhead ... ... | 30·02 | 45 | S | 7 | 0gm | 29·83 | −·37 | 46 | 46 | + 5 | S | 6 | rgm | 4 | 46 | 40 | 0gm, r | * | 0·26 |
| | Pembroke (St Ann's) | 30·09 | 47 | S | 6 | 0 | 29·88 | −·32 | 47 | 47 | + 3 | S | 7 | rgz | 6 | 48 | 44 | – | 0·0 | 0·48 |
| | Scilly (St. Mary's) ... | 30·15 | 50 | S | 5 | 0 | 29·89 | −·31 | 49 | 48 | + 1 | SSW | 6 | r | 5 | 51 | 45 | 0 | 0·0 | 0·11 |
| | Jersey (St. Aubins) ... | | | | | | | | | | | | | | | | | | | |
| | Portland Bill ... | 30·28 | 43 | S | 3 | c | 30·10 | −·13 | 46 | 45 | + 7 | SSW | 4 | m | 3 | 46 | 38 | c | * | – |
| | Dungeness ... ... | 30·31 | 40 | N | 1 | 0 | 30·20 | −·11 | 38 | 37 | − 2 | SW | 4 | ou | 2 | 42 | 36 | 0 | 0·0 | – |
| | Wick ... ... ... | 29·65 | 44 | S | 7 | r | 29·64 | −·34 | 43 | 42 | + 3 | S | 2 | 8c | 3 | 45 | 38 | – | * | 0·10 |
| | Nairn ... ... ... | 29·71 | 44 | S | 1 | 0 | 29·64 | −·38 | 43 | 40 | + 6 | W | 2 | c | 1 | 47 | 32 | – | * | 0·09 |
| | Aberdeen ... ... | 29·90 | 41 | SSW | 4 | 0m | 29·76 | −·36 | 44 | 43 | + 7 | S | 4 | 0m | 3 | 44 | 37 | 0, pm, p | 0·0 | 0·01 |
| | Leith ... ... ... | 29·91 | 45 | SW | 2 | c | 29·77 | −·35 | 48 | 46 | + 17 | SW | 1 | c | * | 49 | 27 | – | * | 0·01 |
| | North Shields ... | 30·07 | 35 | SSW | 4 | 0m | 29·88 | −·32 | 43 | 42 | + 4 | SE | 2 | 0m | 3 | 43 | 33 | cm | * | – |
| | Spurn Head .. | 30·21 | 34 | S | 5 | 0 | 30·02 | −·27 | 38 | 37 | 0 | S | 6 | 0 | 4 | 38 | 33 | – | * | – |
| | Yarmouth ... ... | 30·26 | 39 | SSW | 2 | 0 | 30·14 | −·12 | 37 | 35 | − 2 | SSW | 4 | 0 | 4 | 40 | 35 | 0 | * | – |
| | Clacton-on-Sea ... | 30·33 | 36 | NW | 1 | 0 | 30·19 | −·11 | 36 | 35 | − 1 | SSW | 3 | 0 | 2 | 39 | 35 | – | 0·0 | – |
| | Nottingham ... | 30·24 | 35 | S | 1 | 0 | 30·04 | −·27 | 41 | 40 | + 9 | S | 1 | r | * | 42 | 31 | 0g, 0 | 0·0 | 0·05 |
| | Bath ... ... ... | 30·21 | 38 | S | 1 | 0 | 30·07 | −·24 | 47 | 45 | + 14 | S | 3 | 0 | * | 47 | 33 | – | 0·0 | 0·01 |
| | Oxford ... ... | 30·28 | 34 | SE | 2 | c | 30·11 | −·23 | 41 | 40 | + 8 | S | 4 | 0 | * | 41 | 33 | f, c, 0 | * | 0·01 |
| | London (Brixton) ... | 30·30 | 35 | SSE | 1 | 0g | 30·14 | −·17 | 39 | 38 | + 3 | SSE | 3 | 0m | * | 40 | 31 | 0gm, 0 | 0·0 | – |
| GERMANY, &c. | The Scaw (Skagen) | 30·36 | 31 | SE | 1 | 0 | 30·26 | −·12 | 30 | 30 | − 3 | S | 3 | 0 | 1 | 36 | 28 | – | * | – |
| | Fanö ... ... ... | 30·33 | 30 | SE | 2 | 0 | 30·29 | −·05 | 30 | 29 | − 1 | SE | 4 | 0 | * | 34 | 28 | – | * | – |
| | Cuxhaven ... ... | 30·34 | 31 | NE | 1 | 0 | 30·35 | +·07 | 29 | 28 | + 1 | S | 1 | 0 | * | 32 | 28 | – | * | – |
| | The Helder ... | 30·33 | 31 | SSW | 1 | 0 | 30·26 | −·03 | 26 | 26 | − 5 | SSW | 2 | 0 | 1 | 34 | 26 | – | * | – |
| | Brussels ... ... | * | * | * | * | * | | | | | | | | | * | | | | * | |
| | Berlin ... ... ... | 30·31 | 24 | SW | 2 | 8 | 30·39 | +·14 | 22 | 21 | + 2 | SW | 1 | 0 | * | 27 | 18 | – | * | – |
| | Frankfürt ... ... | 30·35 | 28 | N | 0 | 0 | 30·39 | +·13 | 30 | 30 | + 5 | SW | 2 | 0 | * | 30 | 25 | – | * | – |
| | Munich ... ... | 30·28 | 23 | SW | 2 | 0 | 30·32 | +·16 | 22 | 22 | − 1 | SE | 3 | 0 | * | 25 | 21 | – | * | – |
| FRANCE. | C. Gris Nez ... | 30·28 | 33 | E | 2 | m | 30·21 | −·05 | 29 | 28 | − 9 | S | 3 | m | 2 | 39 | 29 | – | * | – |
| | Brest ... ... ... | 30·28 | 44 | S | 2 | 0 | 30·13 | −·12 | 49 | 48 | + 10 | S | 4 | 0 | 4 | 49 | 39 | – | * | – |
| | Lorient ... ... | 30·33 | 38 | E | 2 | 0 | 30·19 | −·06 | 47 | 46 | + 9 | S | 4 | c | 4 | 48 | 36 | – | * | – |
| | Rochefort ... ... | 30·30 | 41 | NNE | 3 | 8 | 30·28 | +·11 | 37 | 36 | + 1 | SSE | 3 | 8 | * | 45 | 32 | 8 | * | – |
| | Biarritz ... ... | 30·34 | 51 | WNW | 2 | 8 | 30·33 | +·16 | 43 | 41 | − 1 | SSW | 1 | 8 | 3 | 52 | 41 | – | * | – |
| | Paris ... ... ... | 30·36 | 32 | N | 2 | f | 30·35 | +·09 | 28 | 28 | + 1 | SSE | 1 | 0 | * | 32 | 27 | – | * | – |
| | Belfort... ... ... | 30·32 | 26 | ENE | 2 | f | 30·36 | +·17 | 23 | 23 | 0 | ENE | 2 | f | * | 28 | 23 | – | * | – |
| | Lyons ... ... ... | 30·37 | 28 | E | 1 | 0 | 30·41 | +·13 | 28 | 28 | + 1 | E | 1 | 0 | * | 29 | 27 | – | * | – |
| | Nice ... ... ... | 30·10 | 45 | W | 1 | 8 | 30·18 | +·16 | 43 | 36 | + 2 | E | 1 | 8 | 2 | 55 | 39 | – | * | – |
| | Perpignan ... ... | 30·18 | 47 | NW | 3 | 8 | 30·22 | +·16 | 45 | 37 | + 2 | NW | 3 | 8 | * | 52 | 39 | – | * | – |
| SPAN. PEN. | Corunna ... ... | | | | | | | | | | | | | | | | | | * | |
| | Lisbon ... ... | 30·29 | 48 | NNW | 4 | 8 | 30·37 | +·18 | 44 | 42 | − 7 | N | 2 | c | * | 55 | 43 | – | * | – |
| | Azores (P. Delgada)... | 30·31 | 63 | SW | 5 | 0 | 30·29 | −·01 | 63 | 58 | + 1 | WSW | 5 | 0 | 5 | 64 | 61 | – | * | – |
| | ,, (Horta) ... | 30·20 | 63 | SW | 4 | 0 | 30·19 | −·02 | 63 | 60 | 0 | SW | 5 | 0 | 4 | 64 | 63 | – | * | – |

**NOTE:** *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

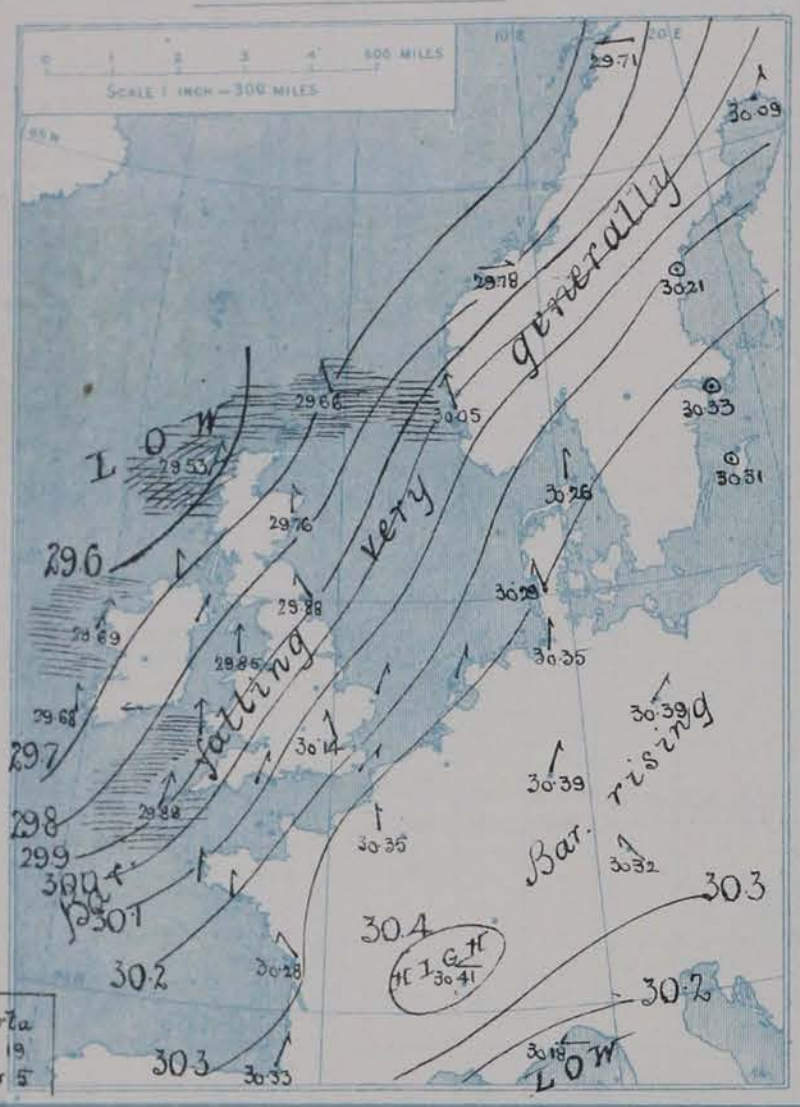
† *Observations received too late for insertion in Charts on next page.*

# WEATHER CHARTS

FOR Thursday, 7th January, 1904.

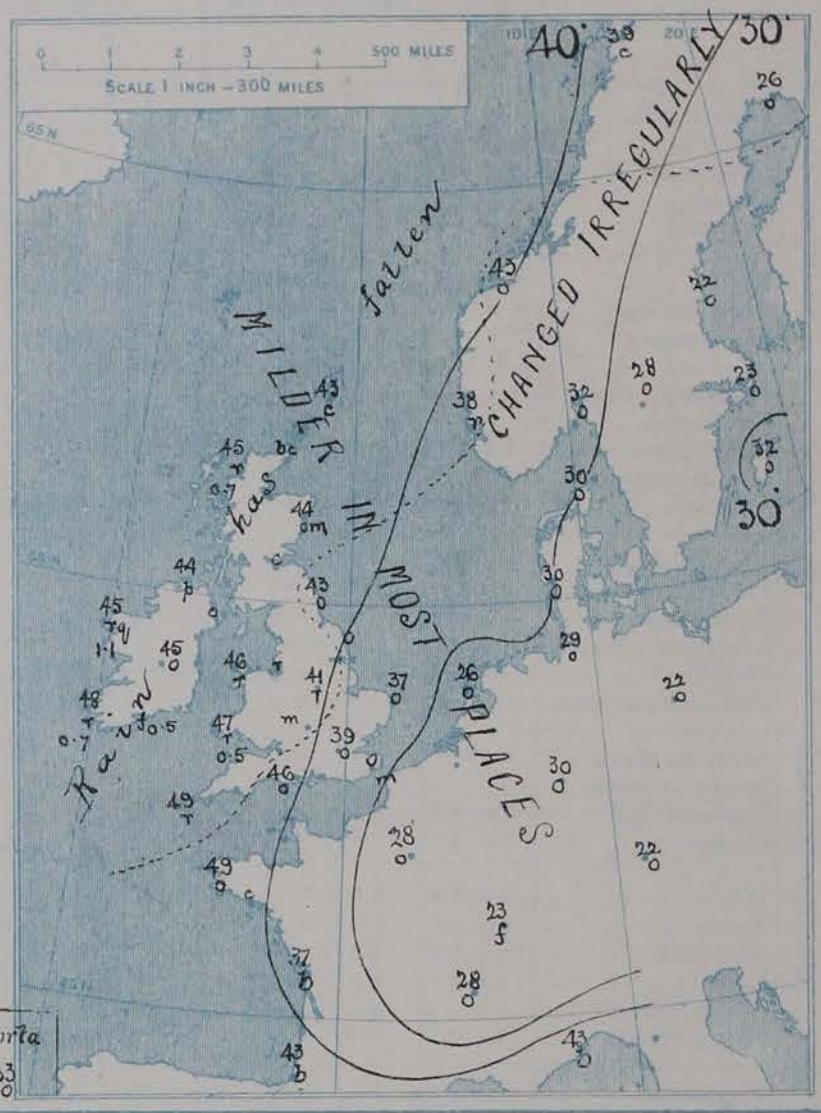
## I. BAROMETER. WIND AND SEA. *This Morning.*

*BAROMETER.—Isobars are drawn for each tenth of an inch.*
*WIND.—Arrows show Directions and Force, flying with the wind.*
*Force above 10* — *Force 8 to 10* — *Force 5 to 7* — *Force 1 to 4* — } Calm ⊙
*SEA.—Rough* *High*




## II. TEMPERATURE AND WEATHER. *This Morning.*

*TEMPERATURE.—Isotherms are drawn for each 10°.*
*WEATHER.—Shown by Letters of the Beaufort Scale.* (See P. 4.)
*RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus - 0·6*




## III. BAROMETER AND WIND

*Yesterday morning.*

## IV. GREATEST AND LEAST MONTHLY RAINFALL IN JANUARY

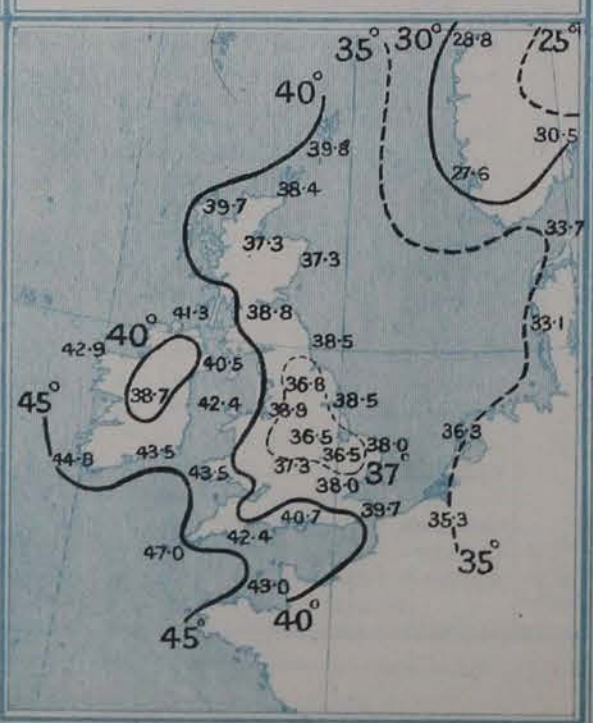
*During the 33 Years 1871-1903.*

*Specimen (for LONDON)* { *Greatest Rainfall* 4·69 (IN 1877) / *Least ... Do.* ..... 0·37 (IN 1880)

## V. *Means of* DAILY TEMPERATURE

*at 8 A.M. for the Two monthly period*

DECEMBER-JANUARY (1871-1900)



# GENERAL SITUATION AT 8 A.M.

**PRESSURE**

The high pressure area in the east is receding eastward, the highest reading reported this morning being 30·39 ins. at Berlin and Frankfurt. The barometer has also risen to 30·33 ins. at Biarritz. We have thus a region of relatively high pressure extending from the Iberian Peninsula to the northeast of Europe. A low pressure system lies over the northern Atlantic; the lowest reading reported this morning is 29·53 ins. at Stornoway. A fresh fall of the barometer, which has been most rapid in the southwest of Ireland, has set in since yesterday evening.

**WIND**

The wind is S^ly or SW^ly throughout the greater part of our area, in the extreme south and southeast it is E^ly, there being a low pressure area over the Mediterranean. The intensity of the wind is very light over Germany and the east of France; in the west of France and over the east of England it is moderate, and in the west of our Islands it is strong, with a gale at Blacksod Point. Rain is now falling in the west of Ireland and Scotland and also in the west of England as far east as Nottingham. Rain is also falling at Skudesnaes. The sky is overcast at almost all stations in our area; those in the south of France excepted.

**TEMPERATURE**

The S^ly wind has caused a distinct rise of temperature in the east of our Islands, and home readings are now over 40° at all but our most southeastern stations. A similar rise has taken place on the west of France. Further to the east, the light SW^ly breeze has not yet produced any decided change of temperature, and frost still prevails in most places.

**WEATHER AND SEA**

The sea is rough on all our western coasts; in the Irish and North Seas it is moderate.

During the past 24 hours gales were experienced on the coasts of Ireland and Scotland; rain fell generally in the west of the Kingdom, but the east remained dry, the largest rainfall was 1·11 in. at Blacksod Point. Very little sunshine was experienced, at the majority of stations the sky remained overcast all day. At Valencia the temperature rose to 53° during the day.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The present distribution of pressure is favourable to the passage of disturbances in a northeasterly direction along our western coasts. Throughout our Islands these will cause S^ly to SW^ly winds, strongest in the west, and mild weather with some rain, mainly in the west.

# FORECASTS*

*For the 24 hours ending at NOON on* 8^th JANUARY, 1904

| DISTRICTS. | FORECASTS. |
|---|---|
| 0 SCOTLAND NORTH | Strong SW^ly winds, a gale in places; mild, dull, some rain. |
| 1 SCOTLAND EAST | S^ly to SW^ly winds, fresh to strong; mild, dull, rain at times. |
| 2 ENGLAND N.E. | |
| 3 ENGLAND EAST | S^ly to SW^ly winds, moderate; mild, dull, rain at times. |
| 4 MIDLAND COUNTIES | |
| 5 ENGLAND SOUTH | |
| 6 SCOTLAND WEST | Same as No. 0 |
| 7 ENGLAND N.W. | S^ly to SW^ly winds, strong, a gale in places; mild, dull, rain at times. |
| 8 ENGLAND S.W. | |
| 9 IRELAND NORTH | |
| 10 IRELAND SOUTH | |
| WARNINGS | At 3.45 p.m. yesterday to districts 1, 7 and parts of 0, 9 and 8, "Hoist South Cone." The South Cone is still up in districts 6, 10 and remainder of 0 and 9. |

*Note.*—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

# REPORTS FOR YESTERDAY.

| STATIONS. | Temperature F. Max. | Temperature F. Min. | Weather. | Sunshine Hrs. | Rainfall Ins. |
|---|---|---|---|---|---|
| Blackpool, to 9 p.m. ... ... | 41 | 33 | o, c, or | 0·0 | – |
| Southport, to 9 p.m. ... ... | 41 | 34 | o | 0·0 | – |
| Rhyl, ... ... ... ... ... | * | * | * | 0·3 | * |
| Llandudno ... ... ... ... | * | * | * | 0·2 | * |
| Bettws-y-Coed, to 6 p.m. ... | 46 | 27 | bc, o | 0·1 | * |
| Aberystwyth, to 6 p.m. ... | 45 | 35 | c | 4·0 | – |
| Plymouth, to 9 p.m. ... ... | 47 | 41 | o | 0·0 | – |
| Bournemouth to 6 p.m. ... | | | | | |
| Worthing ... ... ... ... | * | * | * | 0·0 | * |
| Brighton ... ... ... ... | 38 | * | * | 0·0 | * |
| Eastbourne, to 6 p.m. ... | 41 | * | * | 0·0 | * |

| STATIONS. | Temperature F. Max. | Temperature F. Min. | Weather. | Sunshine Hrs. | Rainfall Ins. |
|---|---|---|---|---|---|
| Hastings ... ... ... ... | * | * | * | 0·0 | * |
| Broadstairs ... ... ... ... | * | * | * | 0·0 | * |
| Margate ... ... ... ... | 42 | * | * | 0·0 | * |
| Lowestoft, to 6 p.m. ... ... | | | | | |
| Skegness ... ... ... ... | * | * | * | | * |
| Scarborough, to 6 p.m. ... | 42 | * | * | 0·0 | * |
| Harrogate, to 6 p.m. ... | 41 | 32 | o | 0·0 | – |
| Manchester, to 9 p.m. ... | 44 | 33 | bc, o | 0·5 | – |
| Darwen, to 9 p.m. ... .. | 40 | 29 | o m | 0·0 | – |
| Birmingham, to 9 p.m. ... | 40 | 29 | f, o | 0·0 | – |

## TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

| STATIONS. 6th Jan. 1904 | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|
| Copenhagen ... ... ... | 34 | 28 | o, o | – |
| Utrecht ... ... ... ... | 35 | 25 | f, m | – |
| Groningen ... ... ... ... | 36 | 23 | c, m | – |
| Vienna ... ... ... ... ... | 30 | 21 | o, o | – |
| Marseilles ... ... ... ... | 54 | 39 | o, bc | – |
| Florence ... ... ... ... | 47 | 43 | o, c | – |
| Rome ... ... ... ... ... | 51 | 46 | r, o | 0·43 |
| Naples ... ... ... ... ... | 53 | 46 | o, c | 0·32 |
| Palermo ... ... ... ... | 57 | 39 | c, o | 0·04 |
| Malta ... ... ... ... ... | 59 | 50 | o | – |

| STATIONS. | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|
| Algiers ... ... ... ... | 55 | 43 | r, r | 1·42 |
| Tunis ... ... ... ... | 59 | 39 | bc, f | – |
| Madeira (Funchal) ... ... | Not | rec.d | | |
| 5th Jan. 1904. | 1 p.m. | | 1 p.m. | Measured 7 a.m. |
| Geneva ... ... ... ... | 30 | * | m | – |
| Berne ... ... ... ... | 41 | * | f | – |
| Coire ... ... ... ... | 30 | * | o | 0·04 |
| Castasegna ... ... ... | 34 | * | s | 0·39 |
| Lugano ... ... ... ... | 39 | * | o | – |
| Davos ... ... .. ... | 30 | * | b | 0·08 |

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

| COUNTRIES, &c. | Hours of Morning Observations by Local Standard Time. | Corresponding Greenwich Times. | Hours of Evening Observations by Local Standard. | Corresponding Greenwich Times. |
|---|---|---|---|---|
| British Isles, Belgium† ... | 8 a.m. (West European) | 8 a.m. | 6 p.m.‡ (W.E.T.) | 6 p.m.‡ |
| Holland ... ... ... ... ... | 8 a.m. ( " " ) | 8 a.m. | 7 p.m. (W.E.T.) | 7 p.m. |
| Germany, Denmark, Norway, Sweden | 8 a.m. (Mid-European) | 7 a.m. | 8 p.m. (M.E.T.) | 7 p.m. |
| France ... ... ... ... ... | 7 a.m. (Paris) ... ... | 6.51 a.m. | 6 p.m. (Paris) | 5.51 p.m. |
| Spain ... ... ... ... ... | 8 a.m. (West European) | 8 a.m. | 6 p.m. (W.E.T.) | 6 p.m. |
| Portugal ... ... ... ... ... | 8 a.m. (Lisbon) ... ... | 8.36 a.m. | 3.23 p.m. (Lisbon) | 4 p.m. |
| Azores: Ponta Delgada ... ... | 6 a.m. (Local) ... ... | 7.43 a.m. | 9 p.m. (Local) | 10.43 p.m. |
| Azores: Horta ... ... ... | 6 a.m. (Local) ... ... | 7.55 a.m. | 9 p.m. (Local) | 10.55 p.m. |

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

| 7th Jan. 1904 | Sunrise G.M.T. | Noon G.M.T. | Sunset G.M.T. |
|---|---|---|---|
| Yarmouth ... ... ... | 8.4 | 11.59 | 3.54 |
| Greenwich ... ... ... | 8.6 | 12.6 | 4.6 |
| Wick ... ... ... ... | 9.0 | 12.18 | 3.36 |
| Valencia ... ... ... | 8.49 | 12.47 | 4.44 |

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FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

# DAILY WEATHER REPORT

*for 8 a.m. on* Friday, 8th January, **1904.**

*Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London.* **W. N. SHAW,** *Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins. | Temp. Dry Bulb. ° | Wind. Direc. | Wind. Force (0 to 12.) | Weather | THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins. | Change since Yesterday. Ins. | Temperature. Dry Bulb. ° | Temperature. Wet Bulb. ° | Change since Yesterday. ° | Wind. Direc. | Wind. Force (0 to 12.) | Weather. | Sea (0 to 9.) | PAST 24 HOURS. Temp. Max. ° | Temp. Min. ° | Weather | Sunshine Hours | Rainfall Ins. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SCANDINAVIA | Haparanda ... ... | 30.10 | 30 | SSW | 4 | s | 29.98 | −.11 | 30 | 29 | +4 | SSW | 4 | s | * | 30 | 10 | – | * | 0.08 |
| | Hernösand ... ... | 30.07 | 22 | S | 2 | 0 | 29.88 | −.33 | 28 | 28 | +6 | S | 6 | 0 | * | 28 | 10 | – | * | – |
| | Stockholm ... ... | 30.23 | 28 | S | 2 | 0 | 30.04 | −.29 | 32 | 32 | +9 | SSE | 6 | 0 | * | 32 | 23 | – | * | – |
| | Wisby ... ... ... | 30.30 | 32 | N | 0 | 0 | 30.12 | −.19 | 32 | 29 | 0 | S | 2 | 0 | * | 32 | 28 | – | * | – |
| | Karlstad ... ... | 30.15 | 30 | SW | 2 | 0 | 29.88 | −.40 | 31 | 31 | +3 | SSW | 4 | 0 | * | * | * | – | * | – |
| | Færder (X'iania Fjord) | 30.09 | 32 | SSW | 5 | 0 | 29.76 | −.46 | 31 | 31 | −1 | S | 6 | s | 4 | 32 | 30 | – | * | – |
| | Bodö ... ... ... | 29.76 | 38 | E | 4 | bc | 29.35 | −.36 | 41 | 39 | +2 | SE | 6 | 0 | 3 | 41 | 34 | – | * | 0.04 |
| | Christiansund ... | 29.65 | 33 | SW | 4 | 0 | 29.26 | −.52 | 44 | ? | +1 | SSW | 3 | 0 | 4 | 45 | ? | – | * | – |
| | Skudesnaes ... | 29.75 | 38 | S | 9 | r | 29.52 | −.53 | 40 | 40 | +2 | S | 6 | bc | 8 | 41 | 34 | r | * | * |
| BRITISH ISLANDS | Sumburgh Head | 29.31 | 43 | SSW | 4 | r | 29.23 | −.43 | 43 | 41 | 0 | SW | 5 | 0 | 6 | 47 | 41 | r | * | 0.40 |
| | Stornoway ... ... | 29.28 | 42 | WSW | 3 | 0 | 29.28 | −.25 | 42 | 40 | −3 | WSW | 5 | 0 | 5 | 45 | 38 | 0, r, b | 0.0 | 0.20 |
| | Malin Head ... | 29.43 | 40 | SW | 6 | cp | 29.51 | −.13 | 40 | 39 | −4 | SW | 7 | crg | 5 | 44 | 38 | c, cp | * | 0.07 |
| | Blacksod Pt. ... | 29.56 | 43 | W | 5 | cgp | 29.60 | −.09 | 44 | 41 | −1 | WSW | 5 | b | 4 | 46 | 41 | cgp, b | * | 0.20 |
| | Valencia ... ... | 29.75 | 48 | SW | 4 | cbhp | 29.73 | +.05 | 41 | 39 | −7 | S | 2 | b | 6 | 50 | 39 | p, bhp | 1.7 | 0.15 |
| | Roche's Point ... | 29.77 | 45 | W | 1 | bp | 29.78 | +.05 | 42 | 41 | −7 | WSW | 2 | bc | 2 | 50 | 41 | f, c, p | * | 0.12 |
| | Parsonstown ... | 29.69 | 40 | WSW | 1 | b | 29.72 | +.01 | 36 | 34 | −9 | S | 1 | b | * | 47 | 38 | o p, b | 0.8 | 0.32 |
| | Donaghadee ... | 29.55 | 43 | W | 3 | b | 29.66 | −.11 | 36 | 35 | −11 | WSW | 2 | b | 1 | 47 | 35 | – | * | 0.21 |
| | Liverpool Obsy... | 29.64 | 45 | WSW | 4 | 0 | 29.75 | −.15 | 39 | 37 | −4 | SSW | 2 | b | 2 | 48 | 35 | op | * | 0.12 |
| | Holyhead ... ... | 29.65 | 46 | W | 6 | c | 29.72 | −.11 | 44 | 42 | −2 | WSW | 3 | cm | 2 | 49 | 42 | r, c | * | 0.74 |
| | Pembroke (St Ann's) | 29.76 | 47 | WSW | 5 | c | 29.78 | −.10 | 47 | 44 | 0 | WSW | 3 | cg | 5 | 50 | 44 | c, pm | 0.0 | 0.38 |
| | Scilly (St. Mary's) ... | 29.86 | 50 | W | 3 | 0 | 29.84 | −.05 | 50 | 50 | +1 | WSW | 3 | 0 | 5 | 52 | 47 | r, 0 | 0.0 | 0.52 |
| | Jersey (St. Aubins) ... | | | | | | | | | | | | | | | | | | | |
| | Portland Bill ... | 29.84 | 48 | SW | 6 | d | 29.85 | −.25 | 46 | 45 | 0 | W | 3 | 0 | 4 | 48 | 45 | r, d | * | 0.15 |
| | Dungeness ... ... | 29.98 | 42 | SW | 6 | 0 | 29.88 | −.32 | 45 | 44 | +7 | NW | 1 | c | 4 | 46 | 37 | o, r | 0.0 | 0.04 |
| | Wick ... ... ... | 29.30 | 41 | S | 3 | 0 | 29.33 | −.31 | 40 | 38 | −3 | SW | 3 | bc | 2 | 45 | 36 | – | * | 0.05 |
| | Nairn ... ... ... | 29.33 | 40 | W | 1 | c | 29.39 | −.25 | 40 | 37 | −3 | W | 3 | b | 1 | 45 | 36 | – | * | 0.01 |
| | Aberdeen ... ... | 29.35 | 41 | WSW | 3 | bc | 29.49 | −.27 | 39 | 37 | −5 | SSW | 3 | bm | 2 | 46 | 35 | or, bc | 0.0 | 0.16 |
| | Leith ... ... ... | 29.39 | 42 | W | 5 | b | 29.54 | −.23 | 41 | 38 | −7 | WSW | 4 | bc | * | 48 | 38 | or, b | * | 0.35 |
| | North Shields ... | 29.48 | 44 | SSW | 4 | 0 | 29.67 | −.21 | 38 | 37 | −5 | SW | 2 | bom | 2 | 45 | 37 | r, 0 | * | 0.09 |
| | Spurn Head .. | 29.63 | 42 | S | 7 | c | 29.77 | −.25 | 38 | 38 | 0 | SSW | 3 | c | 2 | 46 | 36 | gp, c | * | 0.05 |
| | Yarmouth ... ... | 29.87 | 40 | SSW | 5 | or | 29.81 | −.33 | 41 | 40 | +4 | WSW | 2 | cf | 3 | 44 | 35 | o, or | * | 0.06 |
| | Clacton-on-Sea ... | 29.91 | 40 | S | 6 | r | 29.87 | −.32 | 39 | 39 | +3 | WSW | 1 | 0 | 2 | 42 | 35 | ogr, od | 0.0 | 0.05 |
| | Nottingham ... | 29.68 | 46 | S | 4 | r | 29.79 | −.25 | 39 | 38 | −2 | SW | 1 | 0 | * | 48 | 36 | op, r | 0.0 | 0.16 |
| | Bath ... ... ... | 29.78 | 40 | NW | 5 | 0 | 29.83 | −.24 | 41 | 41 | −6 | W | 1 | 0 | * | 51 | 39 | – | 0.0 | 0.08 |
| | Oxford ... ... | 29.80 | 48 | S | 2 | r | 29.84 | −.27 | 42 | 41 | +1 | SW | 1 | 0 | * | 49 | 41 | pg, r | * | 0.22 |
| | London (Brixton) ... | 29.85 | 45 | SSW | 6 | r | 29.85 | −.29 | 42 | 42 | +3 | N | 0 | ogm | * | 46 | 39 | om, or | 0.0 | 0.05 |
| GERMANY, &c. | The Scaw (Skagen) | 30.10 | 33 | SSW | 5 | m | 29.78 | −.48 | 32 | 30 | +2 | SW | 6 | s | 2 | 33 | 28 | – | * | – |
| | Fanö ... ... ... | 30.06 | 25 | SSE | 7 | 0 | 29.83 | −.46 | 33 | 32 | +3 | SSE | 6 | 0 | * | 34 | 25 | – | * | 0.12 |
| | Cuxhaven ... ... | 30.17 | 26 | S | 2 | 0 | 29.91 | −.44 | 31 | 31 | +2 | SSW | 3 | ahs | * | 32 | 23 | – | * | 0.04 |
| | The Helder ... | 29.99 | 28 | S | 5 | 0 | 29.85 | −.41 | 37 | 37 | +11 | SW | 3 | f | 1 | 37 | 26 | – | * | 0.16 |
| | Brussels ... ... | * | * | * | * | * | 29.99 | −.33 | 34 | 34 | +9 | SSW | 2 | r | * | 35 | 25 | – | * | 0.24 |
| | Berlin ... ... ... | 30.34 | 24 | SE | 1 | 0 | 30.12 | −.27 | 24 | 23 | +2 | SE | 3 | bc | * | 25 | 21 | – | * | – |
| | Frankfürt ... ... | 30.28 | 30 | S | 3 | 0 | 30.19 | −.20 | 28 | 28 | −2 | S | 1 | 0 | * | 30 | 27 | – | * | – |
| | Munich ... ... | 30.27 | 22 | SW | 4 | 0 | 30.20 | −.12 | 14 | 13 | −8 | SE | 4 | b | * | 25 | 14 | – | * | – |
| FRANCE. | C. Gris Nez ... | 29.99 | 35 | S | 5 | 0 | 29.88 | −.33 | 40 | 40 | +11 | S | 4 | f | 4 | ? | ? | – | * | 0.04 |
| | Brest ... ... ... | 29.96 | 50 | SSW | 4 | f | 29.90 | −.23 | 49 | 49 | 0 | N | 0 | f | 5 | 50 | 48 | – | * | 0.16 |
| | Lorient ... ... | 30.02 | 50 | SW | 5 | f | 29.91 | −.28 | 49 | 49 | +2 | ESE | 1 | r | 4 | 52 | 46 | – | * | 0.71 |
| | Rochefort ... ... | 30.19 | 44 | SSE | 2 | 0 | 29.97 | −.31 | 45 | 44 | +8 | SSE | 4 | r | * | 45 | 36 | c, o, r | * | 0.24 |
| | Biarritz ... ... | 30.28 | 47 | ESE | 3 | 0 | 30.15 | −.18 | 51 | 47 | +8 | SSE | 3 | r | 5 | 54 | 43 | – | * | – |
| | Paris ... ... ... | 30.24 | 29 | SSW | 3 | 0 | 30.03 | −.32 | 36 | 36 | +8 | S | 2 | r | * | ? | ? | – | * | 0.24 |
| | Belfort... ... ... | 30.30 | 23 | N | 0 | f | 30.23 | −.13 | 21 | 21 | −2 | N | 0 | f | * | 25 | 21 | – | * | – |
| | Lyons ... ... ... | 30.36 | 28 | E | 1 | 0 | 30.23 | −.18 | 26 | 26 | −2 | ESE | 1 | f | * | 29 | 25 | – | * | – |
| | Nice ... ... ... | 30.19 | 44 | E | 2 | bc | 30.24 | +.06 | 44 | 39 | +1 | E | 1 | bc | 2 | 54 | 41 | – | * | – |
| | Perpignan ... ... | 30.22 | 42 | SW | 1 | b | 30.26 | +.04 | 31 | 30 | −14 | N | 0 | b | * | 55 | 29 | – | * | – |
| SPAN. PEN. | Corunna ... ... | | | | | | | | | | | | | | | | | | * | |
| | Lisbon ... ... | 30.38 | 52 | SW | 3 | 0 | 30.37 | .00 | 55 | 55 | +11 | WSW | 2 | 0 | * | 55 | 44 | – | * | – |
| | Azores (P. Delgada)... | 30.36 | 63 | SW | 5 | bc | 30.47 | +.18 | 58 | 57 | −5 | NNE | 5 | r | 4 | 66 | 57 | – | * | – |
| | ,, (Horta) ... | 30.35 | 57 | NNE | 4 | r | 30.50 | +.31 | 57 | 53 | −6 | NNE | 4 | 0 | 3 | 64 | 54 | – | * | 0.20 |

**NOTE:** *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

† *Observations received too late for insertion in Charts on next page.*

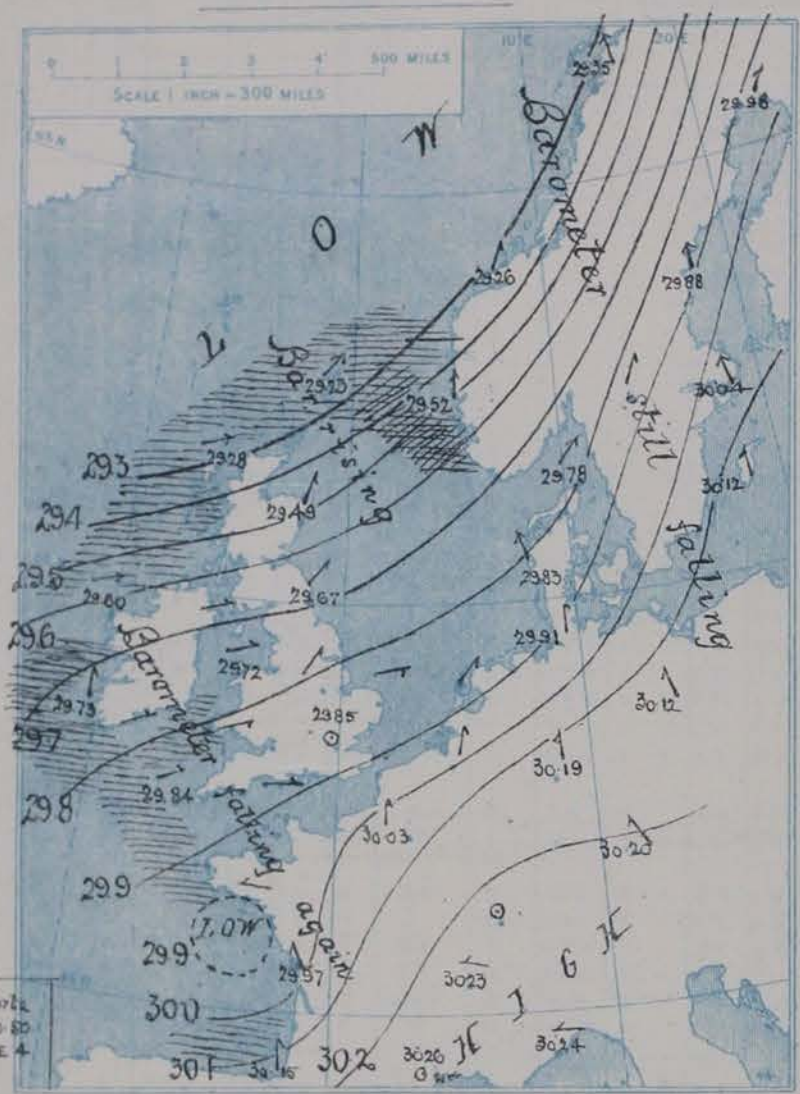
# WEATHER CHARTS

FOR Friday, 8th January, 1904.

## I. BAROMETER. WIND AND SEA. *This Morning.*

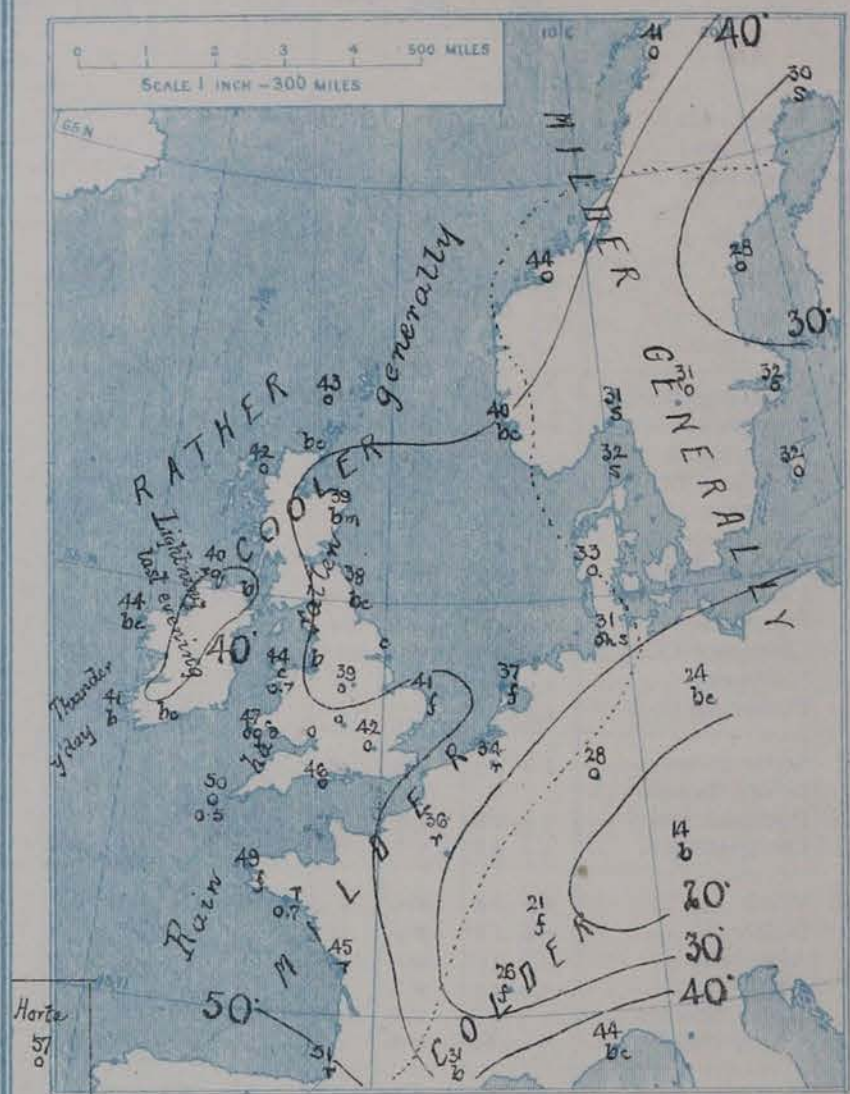
*BAROMETER.—Isobars are drawn for each tenth of an inch.*
*WIND.—Arrows show Directions and Force, flying with the wind.*

*Force above 10* — *Force 5 to 7* — } Calm ⊙
*Force 8 to 10* — *Force 1 to 4* —
*SEA.—Rough* *High*



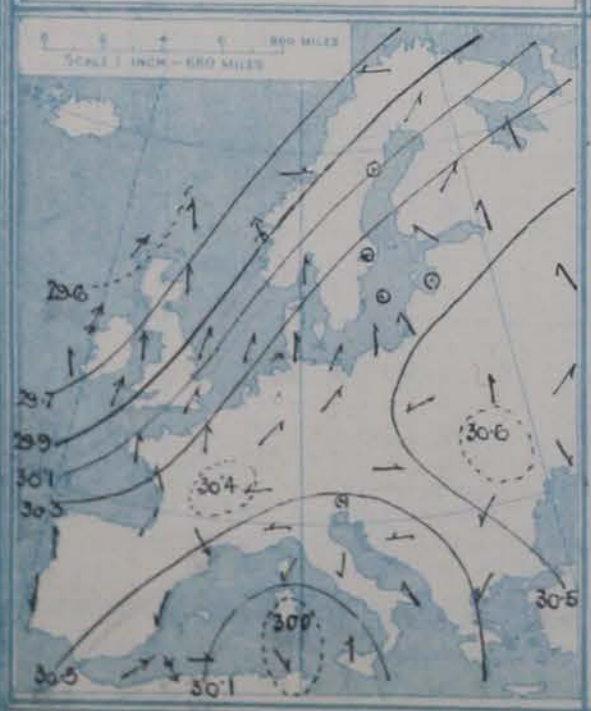

## II. TEMPERATURE AND WEATHER. *This Morning.*

*TEMPERATURE.—Isotherms are drawn for each 10°.*
*WEATHER.—Shown by Letters of the Beaufort Scale.* *(See P. 4.)*
*RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus - 0·6*




## III. BAROMETER AND WIND

*Yesterday morning.*



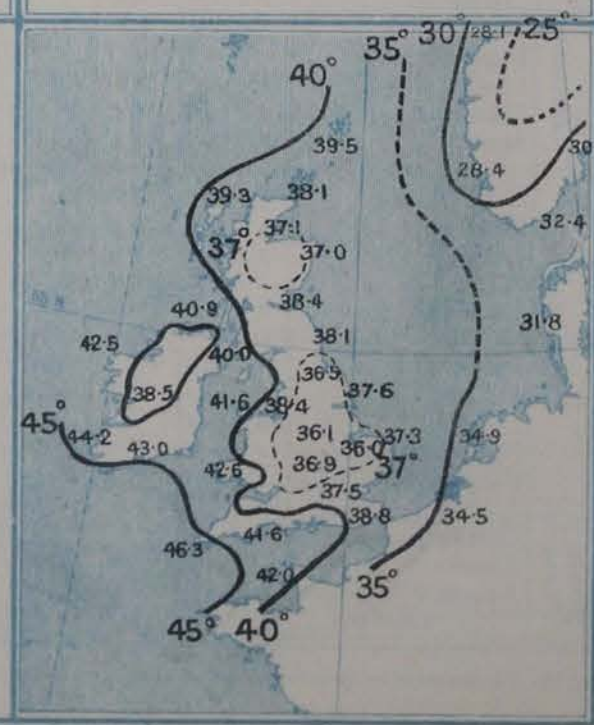

## IV. GREATEST AND LEAST MONTHLY RAINFALL IN JANUARY

*During the 33 Years 1871-1903.*
*Specimen (for London)* { *Greatest Rainfall* 4·63 (in 1877); *Least Do.* 0·37 (in 1880)

## V. *Means of* DAILY TEMPERATURE

*at 8 A.M. for the monthly period*

JANUARY (1871-1900.)



# GENERAL SITUATION AT 8 A.M.

**PRESSURE**

The whole of our area is under the influence of a very large disturbance whose minimum of pressure lies over the northern Atlantic. The isobar for 29·3 ins. exists along the north coast of Scotland and the west coast of Norway. The highest pressures reported this morning, which are slightly over 30·2 ins. come from the extreme southeast of our area. The gradient has become very slight over the south of England; a small secondary disturbance is shown over the Bay of Biscay.

**WIND**

The wind is W^ly or SW^ly on our western coasts, further east is is SW^ly, and over Germany and Scandinavia it is S^ly or even SE^ly; it is blowing freshly on our northwestern coasts, but over our Islands generally its intensity is only moderate or light; over Scandinavia where the gradient is very steep it is blowing very strongly.

**TEMPERATURE**

**WEATHER**

**AND**

**SEA**

The weather over our Islands has assumed a very changeable character; at most of our northern stations the sky is at present clear, further south it is overcast. The secondary disturbance over the Bay of Biscay is causing rain in the west of France, and fog prevails in the region of highest pressure in the southeast of our area. In Scandinavia the sky is overcast, and snow is falling in several places. Temperature remains mild over our Islands and on the west coast of France and Norway, though a rather decided fall has taken place in Ireland and the northern part of Great Britain. The thermometer stands at 44° at Christiansund, 42° at Stornoway, 50° at Scilly and 45° at Rochefort. Frost still prevails in central France and Germany. The sea is rather rough in the Bay of Biscay and on our western and northern coasts; In the Channel it is moderate, slight in the North and Irish Seas.

During the past 24 hours rain fell throughout our Islands, and at many western and northern stations the amounts were large, being frequently over ½ an inch. Very little sunshine was experienced, Valencia is the only station which reports over one hour. Thunder and lightning were experienced on the west coast of Ireland. Temperature was mild; several stations report maxima of over 50°.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are at present no indications of the immediate approach of fresh disturbances towards our western coasts, but the distribution of pressure remains favourable to their advance. SW^ly winds, strongest in the northwest, with mild and changeable weather must be expected generally. The secondary over the Bay of Biscay will cause the sky to remain overcast in the southeast of England.

# FORECASTS*

*For the 24 hours ending at NOON on* 9^th JANUARY, 1904

| DISTRICTS. | | FORECASTS. |
|---|---|---|
| 0 | SCOTLAND NORTH | W^ly to SW^ly winds, fresh to strong; changeable, some rain. Mild. |
| 1 | SCOTLAND EAST | W^ly to SW^ly winds, moderate; changeable, some showers. Mild. |
| 2 | ENGLAND N.E. | |
| 3 | ENGLAND EAST | Light or moderate winds between W and SW or SE; cloudy or dull, occasional rain. Mild. |
| 4 | MIDLAND COUNTIES | |
| 5 | ENGLAND SOUTH | |
| 6 | SCOTLAND WEST | Same as No. 0. |
| 7 | ENGLAND N.W. | Same as Nos. 1 & 2 |
| 8 | ENGLAND S.W | |
| 9 | IRELAND NORTH | Same as No. 0. |
| 10 | IRELAND SOUTH | Same as Nos. 1 & 2. |
| WARNINGS | | at 3.35 pm. yesterday to districts 2, 3, 5 and part of 8 "Hoist South Cone." At 10.0 am today to districts 2, 3, 5 and part of 8 "Lower Cone." The signals are still up in districts 1, 7 and parts of 0 & 9 where they come down this afternoon. |

*Note.*—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

# REPORTS FOR YESTERDAY.

| STATIONS. | Temperature F. Max. | Temperature F. Min. | Weather. | Sunshine. Hrs. | Rainfall. Ins. |
|---|---|---|---|---|---|
| Blackpool, to 9 p.m. ... ... | 46 | 37 | or, b | 0·0 | 0·54 |
| Southport, to 9 p.m. ... ... | 47 | 38 | or, b, c | 0·0 | 0·34 |
| Rhyl, ... ... ... ... ... ... | * | * | * | 0·1 | * |
| Llanduduo ... ... ... ... | * | * | * | 0·7 | * |
| Bettws-y-Coed, to 6 p.m. ... | 49 | 44 | or, gr, c | 0·0 | * |
| Aberystwyth, to 6 p.m. ... | 51 | 46 | r, o | 0·0 | 0·24 |
| Plymouth, to 9 p.m. ... ... | 51 | 45 | or, o | 0·0 | 0·38 |
| Bournemouth to 6 p.m. ... | | | | | |
| Worthing ... ... ... ... | * | * | * | 0·0 | * |
| Brighton ... ... ... ... | 47 | * | * | 0·0 | * |
| Eastbourne, to 6 p.m. ... | 44 | * | * | 0·0 | * |

| STATIONS. | Temperature F. Max. | Temperature F. Min. | Weather. | Sunshine. Hrs. | Rainfall. Ins. |
|---|---|---|---|---|---|
| Hastings ... ... ... ... | * | * | * | 0·0 | * |
| Broadstairs... ... ... ... | * | * | * | 0·0 | * |
| Margate ... ... ... ... | 41 | 35 | c | 0·0 | – |
| Lowestoft, to 6 p.m. ... ... | 39 | 35 | o, r | 0·0 | – |
| Skegness ... ... ... ... | * | * | * | 0·0 | * |
| Scarborough, to 6 p.m. ... | 43 | * | * | 0·0 | * |
| Harrogate, to 6 p.m. ... | 45 | 32 | or, c | 0·0 | 0·37 |
| Manchester, to 9 p.m. ... | | | | | |
| Darwen, to 9 p.m. ... .. | 44 | 38 | ogr, cu | 0·0 | 0·96 |
| Birmingham, to 9 p.m. ... | 47 | 36 | o, r, o | 0·0 | 0·43 |

## TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

| STATIONS. 7th Jan.y 1904 | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|
| Copenhagen ... ... ... | 32 | 28 | o, f | – |
| Utrecht... ... ... ... ... | 30 | 25 | o, o | – |
| Groningen ... ... ... ... | 30 | 25 | o, m | – |
| Vienna ... ... ... ... ... | 37 | 23 | o, o | – |
| Marseilles ... ... ... ... | 55 | 34 | b, b | – |
| Florence ... ... ... ... | 48 | 37 | b, b | – |
| Rome ... ... ... ... ... | 56 | 45 | o, o | – |
| Naples ... ... ... ... ... | 55 | 50 | o, o | – |
| Palermo ... ... ... ... | 60 | 46 | o, r | 0·43 |
| Malta ... ... ... ... ... | 62 | 55 | f | 0·04 |

| STATIONS. | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|
| Algiers ... ... ... ... | 52 | 45 | c, o | 0·20 |
| Tunis ... ... ... ... | 57 | 37 | c, bc | – |
| Madeira (Funchal) ... ... | Not | rec.d | | |
| 6th Jan.y 1904. | 1 p.m. | | 1 p.m. | Measured 7 a.m. |
| Geneva ... ... ... ... | 28 | * | f | – |
| Berne ... ... ... ... | 23 | * | m | – |
| Coire ... ... ... ... | 28 | * | o | – |
| Castasegna ... ... ... | 36 | * | o | 0·04 |
| Lugano ... ... ... ... | 39 | * | o | – |
| Davos ... ... .. ... | 30 | * | o | – |

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

### TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

| COUNTRIES, &c. | Hours of Morning Observations by Local Standard Time. | Corresponding Greenwich Times. | Hours of Evening Observations by Local Standard. | Corresponding Greenwich Times. |
|---|---|---|---|---|
| British Isles, Belgium† ... | 8 a.m. (West European) | 8 a.m. | 6 p.m.‡ (W.E.T.) | 6 p.m.‡ |
| Holland ... ... ... ... ... | 8 a.m. ( „ „ ) | 8 a.m. | 7 p.m. (W.E.T.) | 7 p.m. |
| Germany, Denmark, Norway, Sweden | 8 a.m. (Mid-European) | 7 a.m. | 8 p.m. (M.E.T.) | 7 p.m. |
| France ... ... ... ... ... | 7 a.m. (Paris) ... ... | 6.51 a.m. | 6 p.m. (Paris) | 5.51 p.m. |
| Spain ... ... ... ... ... | 8 a.m. (West European) | 8 a.m. | 6 p.m. (W.E.T.) | 6 p.m. |
| Portugal ... ... ... ... ... | 8 a.m. (Lisbon) ... ... | 8.36 a.m. | 3.23 p.m. (Lisbon) | 4 p.m. |
| Azores: Ponta Delgada ... ... | 6 a.m. (Local) ... ... | 7.43 a.m. | 9 p.m. (Local) | 10.43 p.m. |
| Azores: Horta ... ... ... | 6 a.m. (Local) ... ... | 7.55 a.m. | 9 p.m. (Local) | 10.55 p.m. |

### TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

| 8th Jan.y 1904 | Sunrise G.M.T. | Noon G.M.T. | Sunset G.M.T. |
|---|---|---|---|
| Yarmouth ... ... ... | 8.4 | 12.0 | 3.56 |
| Greenwich ... ... ... | 8.6 | 12.7 | 4.8 |
| Wick ... ... ... ... | 9.0 | 12.19 | 3.38 |
| Valencia ... ... ... | 8.49 | 12.48 | 4.46 |

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† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

# DAILY WEATHER REPORT

*for 8 a.m. on* Saturday, 9th January, **1904.**

*Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London.* **W. N. SHAW,** *Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins. | Temp. Dry Bulb. ° | Wind. Direc. | Force (0 to 12.) | Weather | THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins. | Change since Yesterday. Ins. | Temperature. Dry Bulb. ° | Wet Bulb. ° | Change since Yesterday. ° | Wind. Direc. | Force (0 to 12.) | Weather. | Sea (0 to 9.) | PAST 24 HOURS. Temp. Max. ° | Min. ° | Weather | Sunshine Hours | Rainfall Ins. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SCANDINAVIA | Haparanda... ... | 29.76 | 28 | SSW | 6 | s | 29.76 | − .22 | 30 | 29 | 0 | WSW | 6 | o | * | 30 | 23 | – | * | 0.43 |
| | Hernösand ... ... | 29.74 | 31 | SW | 4 | s | 29.80 | − .08 | 30 | 30 | + 2 | S | 4 | o | * | 32 | 19 | – | * | 0.12 |
| | Stockholm ... ... | 29.92 | 30 | N | 0 | o | 29.90 | − .14 | 32 | 32 | 0 | S | 2 | s | * | 34 | 27 | – | * | 0.04 |
| | Wisby... ... ... | 29.96 | 29 | S | 6 | o | 29.92 | − .20 | 30 | 30 | − 2 | SE | 2 | s | * | 32 | 28 | – | * | 0.08 |
| | Karlstad ... ... | 29.82 | 32 | SSW | 4 | o | 29.81 | − .07 | 32 | 32 | + 1 | SE | 2 | o | * | * | * | o,s | * | 0.16 |
| | Færder (X'iania Fjord) | 29.74 | 34 | SE | 1 | f | 29.73 | − .03 | 33 | 33 | + 2 | SE | 4 | f | 2 | 34 | 30 | – | * | 0.08 |
| | Bodö ... ... ... | 29.30 | 38 | SE | 4 | o | 29.38 | + .03 | 39 | 36 | − 2 | S | 6 | bc | 2 | 41 | 34 | – | * | – |
| | Christiansund ... | 29.38 | 44 | S | 2 | b | 29.14 | − .12 | 42 | 37 | − 2 | S | 2 | b | 3 | 45 | 39 | – | * | – |
| | Skudesnaes ... | 29.61 | 41 | S | 4 | o | 29.63 | + .11 | 39 | 38 | − 1 | SSE | 4 | m | 4 | 41 | 37 | m,p,r | * | * |
| BRITISH ISLANDS | Sumburgh Head | 29.29 | 42 | WSW | 5 | c | 29.39 | + .16 | 41 | 37 | − 2 | WSW | 4 | b | 6 | 44 | 40 | bc,c | * | 0.03 |
| | Stornoway ... ... | 29.36 | 39 | WSW | 3 | o | 29.48 | + .20 | 37 | 36 | − 5 | WSW | 3 | o | 3 | 45 | 35 | ohq,o | 0.9 | 0.16 |
| | Malin Head ... | 29.52 | 37 | SW | 3 | bc | 29.71 | + .20 | 38 | 37 | − 2 | WNW | 8 | ohqb | 6 | 43 | 35 | c,bc | * | 0.17 |
| | Blacksod Pt. ... | 29.60 | 40 | WNW | 4 | cp | 29.87 | + .27 | 42 | 38 | − 2 | WNW | 5 | c | 5 | 44 | 37 | cp | * | 0.20 |
| | Valencia ... ... | 29.73 | 42 | W | 6 | cqrhp | 30.04 | + .31 | 45 | 40 | + 4 | W | 7 | o | 6 | 46 | 37 | cqrhp | 0.8 | 0.29 |
| | Roche's Point ... | 29.71 | 42 | WSW | 3 | r | 30.02 | + .24 | 38 | 37 | − 4 | NW | 3 | b | 2 | 44 | 37 | bc,r | * | 0.05 |
| | Parsonstown ... | 29.64 | 38 | SW | 2 | r | 29.93 | + .21 | 35 | 34 | − 1 | S | 1 | b | * | 42 | 33 | op,r | 3.3 | 0.06 |
| | Donaghadee ... | 29.59 | ? | SW | 1 | b | 29.77 | + .11 | 35 | 34 | − 1 | SW | 3 | b | 2 | 44 | 32 | – | * | – |
| | Liverpool Obsy... | 29.65 | 38 | S | 1 | bc | 29.83 | + .08 | 38 | 37 | − 1 | W | 2 | c | 2 | 44 | 35 | bcm,p | * | 0.09 |
| | Holyhead ... ... | 29.63 | 41 | WSW | 2 | cu | 29.84 | + .12 | 40 | 39 | − 4 | WNW | 5 | bc | 4 | 46 | 39 | bc,c,b | * | 0.04 |
| | Pembroke (St Ann's) | 29.66 | 45 | SW | 6 | o | 29.92 | + .14 | 43 | 40 | − 4 | NW | 6 | bc | 5 | 47 | 41 | o,p | 1.8 | 0.07 |
| | Scilly (St. Mary's) ... | 29.78 | 45 | WNW | 4 | c | 30.01 | + .17 | 45 | 42 | − 5 | WNW | 6 | cq | 5 | 50 | 41 | ohp,c | 1.0 | 0.12 |
| | Jersey (St. Aubins) ... | | | | | | | | | | | | | | | | | | | |
| | Portland Bill ... | 29.72 | 44 | WNW | 1 | c | 29.87 | + .02 | 41 | 40 | − 5 | WNW | 5 | cp | 4 | 47 | 40 | p,e | * | 0.06 |
| | Dungeness ... ... | 29.68 | 41 | N | 1 | r | 29.86 | − .02 | 36 | 35 | − 9 | W | 3 | bc | 2 | 46 | ? | r | 0.0 | 0.85 |
| | Wick ... ... ... | 29.37 | 40 | SW | 3 | c | 29.46 | + .13 | 37 | 36 | − 3 | W | 2 | b | 2 | 42 | 35 | – | * | – |
| | Nairn ... ... ... | 29.43 | 38 | W | 1 | b | 29.54 | + .15 | 36 | 34 | − 4 | W | 1 | b | 1 | 41 | 32 | – | * | – |
| | Aberdeen ... ... | 29.49 | 39 | SSW | 4 | cm | 29.60 | + .11 | 34 | 32 | − 5 | SW | 2 | b | 2 | 41 | 34 | b,cm | 0.4 | – |
| | Leith ... ... ... | 29.53 | 41 | WSW | 2 | bc | 29.64 | + .10 | 39 | 37 | − 2 | W | 2 | b | * | 44 | 36 | – | * | – |
| | North Shields ... | 29.58 | 40 | SW | 2 | om | 29.73 | + .06 | 36 | 35 | − 2 | SW | 2 | cm | 2 | 43 | 32 | cm,om | * | – |
| | Spurn Head .. | 29.65 | 39 | SSW | 2 | o | 29.77 | .00 | 34 | 34 | − 4 | WSW | 3 | f | 2 | 42 | 32 | o,f | * | 0.01 |
| | Yarmouth ... ... | 29.65 | 42 | SSW | 2 | c | 29.76 | − .05 | 36 | 35 | − 5 | W | 3 | f | 3 | 43 | 35 | c | * | 0.04 |
| | Clacton-on-Sea ... | 29.67 | 40 | SSE | 1 | r | 29.83 | − .04 | 37 | 36 | − 2 | W | 1 | o | 2 | 43 | 35 | odg,orm | 0.0 | 0.15 |
| | Nottingham ... | 29.66 | 37 | N | 0 | f | 29.79 | .00 | 35 | 34 | − 4 | W | 1 | f | * | 44 | 32 | c,f | 0.0 | 0.01 |
| | Bath ... ... ... | 29.70 | 40 | NW | 1 | r | 29.88 | + .05 | 39 | 38 | − 2 | NW | 1 | r | * | 46 | 36 | – | 0.0 | 0.18 |
| | Oxford ... ... | 29.69 | 38 | WSW | 1 | b | 29.85 | + .01 | 35 | 35 | − 7 | W | 1 | o | * | 43 | 35 | o,b | * | – |
| | London (Brixton) ... | 29.66 | 43 | WSW | 1 | o | 29.83 | − .02 | 38 | 37 | − 4 | W | 2 | ogm | * | 44 | 35 | od,r,bc | 0.0 | 0.02 |
| GERMANY, &c. | The Scaw (Skagen) | 29.77 | 35 | SW | 3 | f | 29.72 | − .06 | 34 | 34 | + 2 | SE | 4 | s | 1 | 37 | 30 | – | * | – |
| | Fanö ... ... ... | 29.76 | 33 | SE | 3 | o | 29.63 | − .20 | 32 | 32 | − 1 | N | 0 | o | * | 37 | 32 | – | * | 0.32 |
| | Cuxhaven ... ... | 29.85 | 33 | S | 2 | f | 29.60 | − .31 | 33 | 33 | + 2 | SW | 1 | o | * | 34 | 31 | f,s | * | 0.16 |
| | The Helder ... | 29.67 | 34 | SSW | 1 | r | 29.74 | − .11 | 38 | 38 | + 1 | SW | 1 | o | 2 | 39 | 32 | – | * | 0.51 |
| | Brussels ... ... | * | * | * | * | * | 29.89 | − .10 | 35 | 35 | + 1 | SW | 3 | o | * | 36 | ? | – | * | 0.79 |
| | Berlin ... ... ... | 29.94 | 30 | N | 0 | o | 29.86 | − .26 | 33 | 31 | + 9 | SSE | 3 | o | * | 34 | 24 | – | * | – |
| | Frankfürt ... ... | 29.84 | 33 | E | 1 | r | 29.96 | − .23 | 38 | 37 | + 10 | S | 3 | c | * | 41 | 28 | – | * | 0.28 |
| | Munich ... ... | 29.93 | 25 | SSE | 5 | b | 30.01 | − .19 | 38 | 36 | + 24 | SW | 6 | c | * | 38 | 14 | – | * | – |
| FRANCE. | C. Gris Nez ... | 29.67 | 39 | N | 0 | r | 29.81 | − .07 | 42 | 40 | + 2 | WSW | 4 | o | 4 | 42 | 39 | – | * | 0.99 |
| | Brest ... ... ... | 29.84 | 46 | NW | 5 | c | 30.03 | + .13 | 44 | 41 | − 5 | NNW | 5 | c | 5 | 50 | 41 | – | * | 0.67 |
| | Lorient ... ... | 29.89 | 44 | NW | 4 | c | 30.08 | + .17 | 42 | 41 | − 7 | N | 4 | o | 5 | 50 | 41 | – | * | 0.47 |
| | Rochefort ... ... | 29.88 | 49 | NW | 7 | r | 30.08 | + .11 | 44 | 43 | − 1 | WSW | 3 | r | * | 54 | 41 | r | * | 0.47 |
| | Biarritz ... ... | 30.14 | 53 | SW | 5 | o | 30.24 | + .09 | 48 | 45 | − 3 | NW | 4 | r | 5 | 54 | 45 | – | * | 0.28 |
| | Paris ... ... ... | 29.65 | 38 | SSE | 2 | r | 29.99 | − .04 | 36 | 35 | 0 | SW | 2 | b | * | 39 | 35 | – | * | 0.63 |
| | Belfort... ... ... | 29.83 | 37 | N | 0 | m | 30.05 | − .18 | 37 | 36 | + 16 | WSW | 2 | o | * | 39 | 21 | – | * | 0.08 |
| | Lyons ... ... ... | 29.98 | 45 | SSW | 3 | r | 30.16 | − .07 | 38 | 37 | + 12 | NE | 1 | o | * | 49 | 26 | – | * | 0.28 |
| | Nice ... ... ... | 30.15 | 45 | N | 0 | bc | 30.02 | − .22 | 43 | 40 | − 1 | N | 0 | c | 2 | 54 | 39 | – | * | – |
| | Perpignan ... ... | 30.09 | 45 | NW | 1 | r | 30.12 | − .14 | 48 | 43 | + 17 | NW | 3 | o | * | 48 | 31 | – | * | 0.20 |
| SPAN. PEN. | Corunna ... ... | | | | | | | | | | | | | | | | | | * | |
| | Lisbon ... ... | 30.38 | 53 | NNW | 5 | b | 30.54 | + .17 | 50 | 46 | − 5 | N | 4 | b | * | 59 | 48 | – | * | 0.04 |
| | Azores (P. Delgada)... | 30.63 | 58 | ESE | 5 | o | 30.58 | + .11 | 58 | 57 | 0 | SSE | 5 | m | 5 | 63 | 57 | – | * | – |
| | " (Horta) ... | 30.58 | 59 | SE | 6 | o | 30.51 | + .01 | 62 | 61 | + 5 | SW | 4 | o | 2 | 62 | 57 | – | * | 0.12 |

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

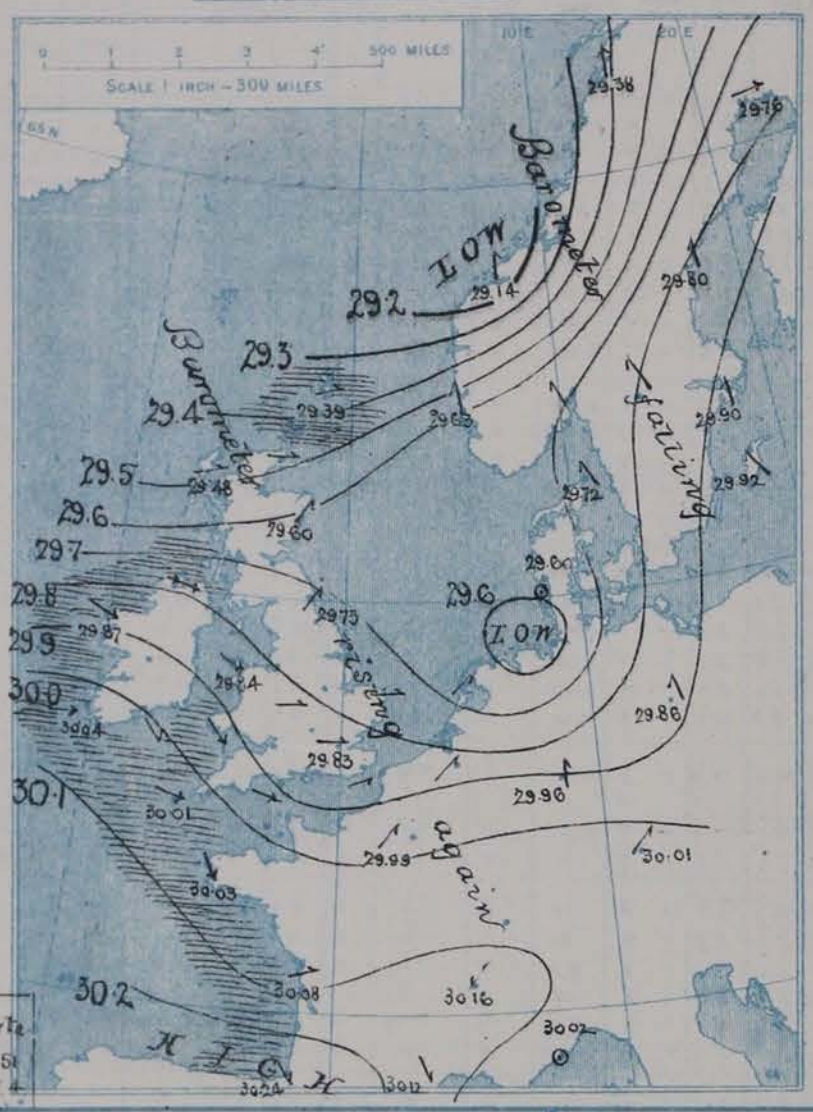
† *Observations received too late for insertion in Charts on next page.*

# WEATHER CHARTS

FOR Saturday, 9th January, 1904.

## I. BAROMETER, WIND AND SEA. *This Morning.*

*BAROMETER.—Isobars are drawn for each tenth of an inch.*
*WIND.—Arrows show Directions and Force, flying with the wind.*
*Force above 10* ; *Force 8 to 10* ; *Force 5 to 7* ; *Force 1 to 4* ; Calm ⊙
*SEA.—Rough* *High*

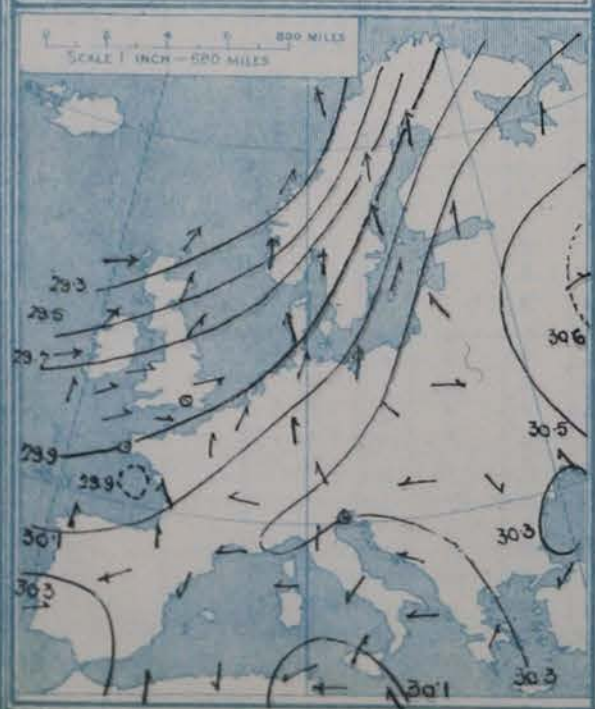



## II. TEMPERATURE AND WEATHER. *This Morning.*

*TEMPERATURE.—Isotherms are drawn for each 10°.*
*WEATHER.—Shown by Letters of the Beaufort Scale.* *(See P. 4.)*
*RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus –0·6*

## III. BAROMETER AND WIND

*Yesterday morning.*



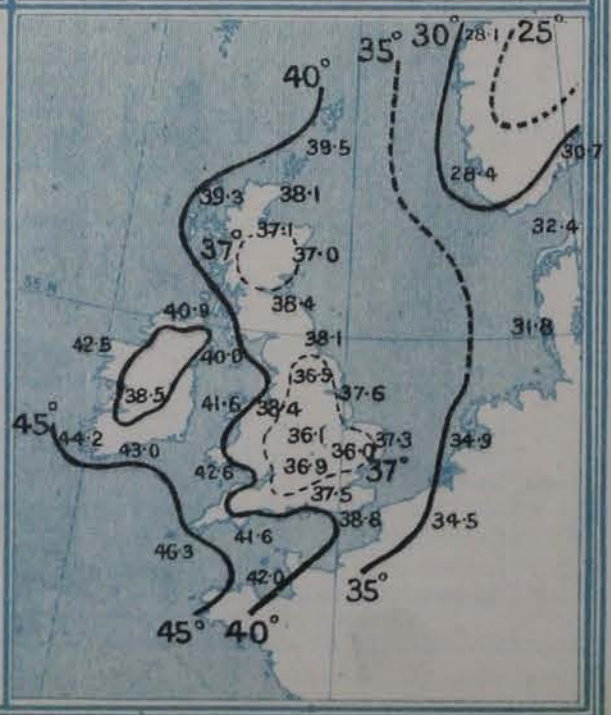

## IV. GREATEST AND LEAST MONTHLY RAINFALL IN JANUARY

*During the 33 Years 1871–1903.*
*Specimen (for London)* { *Greatest Rainfall* 4·69 (in 1877); *Least Do.* 0·37 (in 1880)

## V. *Means of* DAILY TEMPERATURE

*at 8 A.M. for the monthly period*

JANUARY (1871–1900.)



# GENERAL SITUATION AT 8 A.M.

**PRESSURE**

A large and deep disturbance still occupies the northern Atlantic, and the whole of our area is now under its influence. During the past 24 hours the small disturbance which was over the Bay of Biscay yesterday morning moved in a northeasterly direction, and it is now shown over the mouth of the Elbe as a secondary to the main disturbance. The isobar for 29·2 ins. is shown off the west coast of Norway, and that for 30·10 ins. across the south of France. In our Islands readings lie between 29·39 ins. at Sumburgh Head and 30·04 ins. at Valencia. The gradient in the east of our area is very steep. Christiansund 29·14 ins., Hernösand 29·80 ins., Buxhaven 29·60 ins., Berlin 29·86 ins.

**WIND**

The wind over our Islands is between W and NW generally; on our western coasts it is very strong, blowing with the force of a gale at Malin Head; over the east of England it is moderate or light. SW^ly winds prevail over the greater part of France, and in Scandinavia and eastern Germany, on the eastern side of the "secondary" they are S^ly or SE^ly. In spite of the steep gradient no gales are reported.

**TEMPERATURE**

**WEATHER**

**AND**

**SEA**

The weather over our Islands is changeable; at the majority of stations it is fair, but showers of rain or hail are reported from several places; fog prevails at Nottingham, Yarmouth and Spurn Head. Over France and Germany the weather is dull; snow is falling at many Scandinavian stations. A fall of temperature has accompanied the veering of the wind from SW to W or NW in our Islands, and readings are now slightly below the average values. In France and Germany the frost has broken up, temperatures being now all above the freezing point. The sea is rather rough on all our western coasts, moderate or slight elsewhere.

During the past 24 hours rain fell in all but our northeastern districts; the amounts recorded were large in the southwest of Ireland, and the passage northeastwards of the small disturbance noticed above, caused a heavy fall in the Straits of Dover; Dungeness 0·35 in., Cape Gris Nez 0·99 in. Very little sunshine was experienced.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The barometer is now rising rapidly in the west; winds from between NW and W are probable generally at first, but the approach of further disturbances may cause a shift to SW by tomorrow. The passage of small secondary disturbances across the country will cause showers in most parts.

# FORECASTS*

*For the 24 hours ending at NOON on* 10^th JANUARY, 1904

| DISTRICTS. | | FORECASTS. |
|---|---|---|
| 0 | SCOTLAND NORTH | Fresh or strong W^ly winds; changeable some showers. |
| 1 | SCOTLAND EAST | Moderate to fresh W^ly winds; changeable, some showers. |
| 2 | ENGLAND N.E. | |
| 3 | ENGLAND EAST | NW^ly to W^ly or SW^ly winds; fresh to moderate; changeable, some showers. Moderate temperature. |
| 4 | MIDLAND COUNTIES | |
| 5 | ENGLAND SOUTH | |
| 6 | SCOTLAND WEST | Same as No. 0 |
| 7 | ENGLAND N.W. | Fresh to strong winds between NW and SW; changeable, some showers of rain or hail. |
| 8 | ENGLAND S.W | |
| 9 | IRELAND NORTH | |
| 10 | IRELAND SOUTH | |
| | WARNINGS | None issued. |

*Note.*—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

# REPORTS FOR YESTERDAY.

| STATIONS. | Temperature F. Max. | Min. | Weather. | Sunshine Hrs. | Rainfall Ins. | STATIONS. | Temperature F. Max. | Min. | Weather. | Sunshine Hrs. | Rainfall Ins. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Blackpool, to 9 p.m. ... ... | 45 | 33 | c, b | 0·4 | – | Hastings ... ... ... ... | * | * | * | 0·0 | * |
| Southport, to 9 p.m. ... ... | 44 | 36 | c, o, o m | 0·8 | 0·01 | Broadstairs... ... ... ... | * | * | * | ? | * |
| Rhyl, ... ... ... ... ... ... | * | * | * | 2·0 | * | Margate ... ... ... ... | 42 | 35 | r | 0·0 | – |
| Llandudno ... ... ... ... | * | * | * | 3·1 | * | Lowestoft, to 6 p.m. ... ... | | | | | |
| Bettws-y-Coed, to 6 p.m. ... | 45 | 36 | d, bc, b | 0·4 | * | Skegness ... ... ... ... | * | * | * | 0·0 | * |
| Aberystwyth, to 6 p.m. ... | 44 | 40 | c, r | 3·0 | 0·06 | Scarborough, to 6 p.m. ... | 46 | * | * | 0·0 | * |
| Plymouth, to 9 p.m. ... ... | 49 | 43 | o, o p, o | 0·0 | 0·09 | Harrogate, to 6 p.m. ... | 46 | 37 | o, bc | 0·0 | 0·03 |
| Bournemouth to 6 p.m. ... | | | | | | Manchester, to 9 p.m. ... | 46 | 31 | bc, g, f | 0·0 | – |
| Worthing ... ... ... ... | * | * | * | 0·0 | * | Darwen, to 9 p.m. ... .. | 41 | 34 | o p, o, b v | 0·0 | 0·01 |
| Brighton ... ... ... ... | 49 | * | * | 0·0 | * | Birmingham, to 9 p.m. ... | 47 | 36 | o, b | 0·0 | – |
| Eastbourne, to 6 p.m. ... | 48 | * | * | 0·0 | * | | | | | | |

## TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

| STATIONS. 8th Jan.y 1904 | Temperature, F. Max. | Min. | Weather. | Rain. Ins. | STATIONS. | Temperature, F. Max. | Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|---|---|---|---|---|
| Copenhagen ... ... ... | 32 | 27 | o, m | – | Algiers ... ... ... ... | 55 | 50 | r, r | 1·14 |
| Utrecht... ... ... ... ... | 34 | 25 | c, f | 0·28 | Tunis ... ... ... ... | 59 | 43 | o, o | 1·73 |
| Groningen ... ... ... ... | 34 | 23 | o, f | 0·20 | Madeira (Funchal) ... ... | Not | rec.d | | |
| Vienna ... ... ... ... ... | ? | 25 | f, f | – | 7th Jan.y 1904. | 1 p.m. | | 1 p.m. | Measured 7 a.m. |
| Marseilles ... ... ... ... | 55 | 37 | b, bc | – | Geneva ... ... ... ... | 28 | * | m | |
| Florence ... ... ... ... | 51 | 36 | b, b | – | Berne ... ... ... ... | 23 | * | m | – |
| Rome ... ... ... ... ... | 56 | 46 | r, bc | – | Coire ... ... ... ... | 30 | * | b | – |
| Naples ... ... ... ... ... | 56 | 50 | o, c | – | Castasegna ... ... ... | 34 | * | b | – |
| Palermo ... ... ... ... | 55 | 48 | r, o | 0·12 | Lugano ... ... ... ... | 41 | * | b | – |
| Malta ... ... ... ... ... | 61 | 55 | o | – | Davos ... ... .. ... | 25 | * | b | – |

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

### TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

| COUNTRIES, &c. | Hours of Morning Observations by Local Standard Time. | Corresponding Greenwich Times. | Hours of Evening Observations by Local Standard. | Corresponding Greenwich Times. |
|---|---|---|---|---|
| British Isles, Belgium† ... | 8 a.m. (West European) | 8 a.m. | 6 p.m.‡ (W.E.T.) | 6 p.m.‡ |
| Holland ... ... ... ... ... | 8 a.m. ( „ „ ) | 8 a.m. | 7 p.m. (W.E.T.) | 7 p.m. |
| Germany, Denmark, Norway, Sweden | 8 a.m. (Mid-European) | 7 a.m. | 8 p.m. (M.E.T.) | 7 p.m. |
| France ... ... ... ... ... | 7 a.m. (Paris) ... ... | 6.51 a.m. | 6 p.m. (Paris) | 5.51 p.m. |
| Spain ... ... ... ... ... | 8 a.m. (West European) | 8 a.m. | 6 p.m. (W.E.T.) | 6 p.m. |
| Portugal ... ... ... ... ... | 8 a.m. (Lisbon) ... ... | 8.36 a.m. | 3.23 p.m. (Lisbon) | 4 p.m. |
| Azores: Ponta Delgada ... ... | 6 a.m. (Local) ... ... | 7.43 a.m. | 9 p.m. (Local) | 10.43 p.m. |
| Azores: Horta ... ... ... | 6 a.m. (Local) ... ... | 7.55 a.m. | 9 p.m. (Local) | 10.55 p.m. |

### TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

| 9th Jan. 1904 | Sunrise G.M.T. | Noon G.M.T. | Sunset G.M.T. |
|---|---|---|---|
| Yarmouth ... ... ... | 8.3 | 12.0 | 3.57 |
| Greenwich ... ... ... | 8.5 | 12.7 | 4.9 |
| Wick ... ... ... ... | 8.59 | 12.19 | 3.40 |
| Valencia ... ... ... | 8.48 | 12.48 | 4.48 |

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† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

# DAILY WEATHER REPORT

*for 8 a.m. on* Sunday, 10TH JANUARY, 1904.

*Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London.* W. N. SHAW, *Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins. | Temp. Dry Bulb. ° | Wind. Direc. | Wind. Force (0 to 12.) | Weather | THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins. | Change since Yesterday. Ins. | Temperature. Dry Bulb. ° | Wet Bulb. ° | Change since Yesterday. ° | Wind. Direc. | Wind. Force (0 to 12.) | Weather. | Sea (0 to 9.) | PAST 24 HOURS. Temp. Max. ° | Temp. Min. ° | Weather | Sunshine Hours. | Rainfall. Ins |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SCANDINAVIA | Haparanda ... ... | 29.74 | 30 | S | 6 | o | 29.57 | -.19 | 28 | 28 | -2 | SW | 4 | o | * | 32 | 23 | — | * | 0.08 |
| | Hernösand ... ... | 29.70 | 33 | Z | 0 | S | 29.70 | -.10 | 18 | 17 | -12 | Z | 0 | f | * | 34 | ? | — | * | 0.12 |
| | Stockholm ... ... | 29.72 | 33 | SE | 2 | o | 29.92 | +.02 | 34 | 33 | +2 | SW | 2 | o | * | 34 | 28 | — | * | 0.16 |
| | Wisby ... ... ... | 29.80 | 34 | Z | 0 | r | 30.07 | +.15 | 35 | 34 | +5 | SW | 6 | o | * | ?35 | 30 | — | * | 0.04 |
| | Karlstad ... ... | 29.75 | 28 | Z | 0 | b | 29.88 | +.07 | 35 | 34 | +3 | SSW | 4 | o | * | * | * | S, b | * | 0.24 |
| | Færder (X'iania Fjord) | 29.75 | 33 | SW | 1 | m | 29.81 | +.08 | 38 | 37 | +5 | SSW | 4 | c | 2 | ? | 32 | — | * | 0.04 |
| | Bodö ... ... ... | 29.39 | 40 | S | 2 | o | 29.30 | -.08 | 40 | 35 | +1 | S | 4 | o | 1 | 41 | 34 | — | * | — |
| | Christiansund ... | 29.48 | 39 | SW | 4 | r | 29.49 | +.35 | 37 | 35 | -5 | SW | 1 | bc | 1 | 43 | 36 | — | * | 0.04 |
| | Skudesnaes ... | 29.70 | 39 | S | 6 | b | 29.64 | +.01 | 40 | 38 | +1 | SSE | 6 | c | 4 | 40 | 37 | o, b | * | — |
| BRITISH ISLANDS | Sumburgh Head | 29.46 | 41 | WSW | 3 | c | 28.97 | -.42 | 42 | 41 | +1 | SW | 5 | r | 6 | 42 | 37 | r, c | * | 0.30 |
| | Stornoway ... ... | 29.50 | 37 | SW | 2 | c | 29.04 | -.44 | 39 | 37 | +2 | WSW | 5 | o | 5 | 39 | 35 | rsp, o, c | 0.2 | 0.62 |
| | Malin Head ... | 29.55 | 38 | SW | 6 | ohq | 29.23 | -.48 | 39 | 37 | +1 | SW | 7 | bcq | 6 | 43 | 35 | c, ohq | * | 0.29 |
| | Blacksod Pt. ... | 29.66 | 47 | SW | 8 | rqm | 29.53 | -.34 | 43 | 39 | +1 | WNW | 8 | cq | 6 | 48 | 40 | cpqm | * | 0.91 |
| | Valencia ... ... | 29.82 | 47 | SW | 6 | op | 29.74 | -.30 | 43 | 38 | -2 | W | 6 | bcq | 6 | 50 | 41 | r, omq, p | 0.0 | 0.65 |
| | Roche's Point ... | 29.91 | 47 | SW | 2 | cp | 29.70 | -.32 | 40 | 39 | +2 | NW | 4 | b | 2 | 49 | 38 | cp | * | 0.28 |
| | Parsonstown ... | 29.79 | 44 | S | 4 | c | 29.61 | -.32 | 36 | 34 | +1 | WSW | 3 | b | * | 48 | 32 | op, r | 0.0 | 0.45 |
| | Donaghadee ... | 29.79 | 39 | SW | 2 | c | 29.40 | -.37 | 39 | 38 | +4 | W | 2 | o | 3 | 46 | 33 | — | * | 0.11 |
| | Liverpool Obsy... | 29.92 | 38 | WSW | 3 | bc | 29.50 | -.33 | 39 | 38 | +1 | W | 4 | p | ? | 44 | 36 | bc, p | * | 0.09 |
| | Holyhead ... ... | 29.88 | 44 | SW | 5 | omu | 29.50 | -.34 | 39 | 39 | -1 | WNW | 9 | rq | 7 | 46 | 38 | bc, omu | * | 0.61 |
| | Pembroke (St Ann's) | 30.00 | 43 | SW | 6 | o | 29.64 | -.25 | 39 | 38 | -4 | NNW | 8 | rqqmu | 6 | 49 | 39 | oprtu | 0.0 | 0.21 |
| | Scilly (St. Mary's) ... | 30.12 | 47 | WSW | 5 | op | 29.67 | -.34 | 47 | 47 | +2 | W | 8 | r | 7 | 49 | 42 | op | 1.4 | 0.49 |
| | Jersey (St. Aubins) ... | | | | | | | | | | | | | | | | | | | |
| | Portland Bill ... | 30.12 | 44 | WNW | 4 | c | 29.82 | -.05 | 47 | 45 | +6 | SSW | 6 | o | 5 | 48 | 40 | bc, c | * | 0.13 |
| | Dungeness ... ... | 30.09 | 40 | WNW | 2 | b | 29.94 | +.08 | 46 | 44 | +10 | SW | 6 | oq | 3 | 46 | 35 | p, c, b | 0.5 | 0.02 |
| | Wick ... ... ... | 29.53 | 35 | SW | 3 | bc | 29.03 | -.43 | 40 | 40 | +3 | SW | 3 | ou | 3 | 43 | 33 | — | * | 0.05 |
| | Nairn ... ... ... | 29.58 | 34 | W | 2 | b | 29.10 | -.44 | 36 | 35 | 0 | W | 3 | b | 1 | 41 | 33 | — | * | 0.03 |
| | Aberdeen ... ... | 29.65 | 35 | SSW | 3 | bm | 29.16 | -.44 | 39 | 38 | +5 | WSW | 4 | r | 4 | 44 | 34 | bmo, rq | 0.9 | 0.21 |
| | Leith ... ... ... | 29.70 | 38 | WNW | 3 | b | 29.26 | -.38 | 39 | 39 | 0 | WNW | 4 | r | * | 47 | 36 | b, r | * | 0.16 |
| | North Shields ... | 29.80 | 39 | SW | 2 | cm | 29.36 | -.37 | 44 | 43 | +8 | S | 5 | cp | 2 | 44 | 34 | cm | * | — |
| | Spurn Head .. | 29.93 | 38 | WSW | 4 | bc | 29.62 | -.15 | 42 | 41 | +8 | SSW | 6 | c | 4 | 42 | 34 | — | * | — |
| | Yarmouth ... ... | 29.96 | 37 | W | 3 | f | 29.82 | +.06 | 43 | 41 | +7 | SW | 5 | c | 4 | 43 | 34 | f | * | — |
| | Clacton-on-Sea ... | 30.05 | 36 | WSW | 2 | b | 29.88 | +.05 | 41 | 40 | +4 | S | 5 | bc | 4 | 42 | 35 | — | 0.0 | 0.02 |
| | Nottingham ... | 29.97 | 37 | W | 1 | b | 29.64 | -.15 | 46 | 43 | +11 | SSW | 6 | o | * | 46 | 33 | bm | 0.6 | 0.01 |
| | Bath ... ... ... | 30.07 | 40 | W | 2 | o | 29.73 | -.15 | 48 | 45 | +9 | W | 6 | o | * | 48 | 38 | — | 4.0 | 0.02 |
| | Oxford ... ... | 30.06 | 37 | W | 2 | o | 29.77 | -.08 | 45 | 43 | +10 | SSW | 4 | oqd | * | 46 | 35 | o | * | 0.02 |
| | London (Brixton) ... | 30.06 | 38 | NW | 2 | b | 29.84 | +.01 | 44 | 43 | +6 | SSW | 6 | op | * | 45 | 36 | o, b, pq | 0.0 | 0.03 |
| GERMANY, &c. | The Scaw (Skagen) | | | | | | | | | | | | | | | | | | * | |
| | Fanö ... ... ... | 29.94 | 35 | SSW | 2 | b | 29.99 | +.36 | 35 | 35 | +3 | S | 2 | b | * | 36 | 32 | — | * | 0.35 |
| | Cuxhaven ... ... | 30.03 | 34 | SW | 2 | f | 30.09 | +.49 | 34 | 34 | +1 | SW | 3 | f | * | 36 | 33 | f | * | 0.04 |
| | The Helder ... | 29.97 | 38 | SW | 1 | o | 29.95 | +.21 | 35 | 35 | -3 | SSW | 2 | b | 2 | 41 | 32 | — | * | — |
| | Brussels ... ... | * | * | * | * | * | 30.13 | +.24 | 36 | 35 | +1 | S | 3 | r | * | 39 | 33 | — | * | 0.04 |
| | Berlin ... ... ... | 30.14 | 38 | SSW | 2 | o | 30.23 | +.37 | 33 | 32 | 0 | SSW | 2 | c | * | 39 | 30 | — | * | — |
| | Frankfürt ... ... | 30.25 | 38 | Z | 0 | o | 30.26 | +.30 | 36 | 36 | -2 | S | 1 | b | * | 43 | 36 | — | * | — |
| | Munich ... ... | 30.25 | 34 | Z | 0 | o | 30.28 | +.27 | 32 | 32 | -6 | SE | 2 | f | * | 39 | 32 | — | * | 0.04 |
| FRANCE. | C. Gris Nez ... | 30.08 | 42 | WSW | 4 | bc | 29.97 | +.16 | 41 | 40 | -1 | SSW | 5 | b | 5 | 45 | 39 | — | * | 0.04 |
| | Brest ... ... ... | 30.27 | 47 | NW | 3 | c | 29.91 | -.12 | 50 | 46 | +6 | SSW | 6 | o | 6 | ? | 43 | — | * | — |
| | Lorient ... ... | 30.31 | 44 | NW | 3 | bc | 30.01 | -.07 | 49 | 48 | +7 | SW | 6 | o | 7 | 49 | 41 | — | * | 0.04 |
| | Rochefort ... ... | 30.28 | 46 | NNW | 4 | bc | 30.19 | +.11 | 39 | 38 | -5 | SSE | 3 | bc | * | 46 | 37 | c, bc | * | 0.20 |
| | Biarritz ... ... | | | | | | | | | | | | | | | | | | * | |
| | Paris ... ... ... | 30.22 | 39 | WSW | 3 | bc | 30.21 | +.22 | 31 | 31 | -5 | S | 3 | b | * | 46 | 31 | — | * | — |
| | Belfort... ... ... | 30.22 | 37 | WSW | 2 | o | 30.28 | +.23 | 29 | 29 | -8 | NE | 2 | m | * | 43 | 29 | — | * | — |
| | Lyons ... ... ... | 30.29 | 40 | NNW | 1 | o | 30.31 | +.15 | 34 | 32 | -4 | NE | 1 | b | * | 44 | 33 | — | * | — |
| | Nice ... ... ... | 30.08 | 44 | E | 1 | bc | 30.08 | +.06 | 45 | 39 | +2 | Z | 0 | c | 2 | 52 | 41 | — | * | — |
| | Perpignan ... ... | 30.26 | 45 | NW | 3 | bc | 30.26 | +.14 | 41 | 37 | -7 | W | 2 | b | * | 51 | 40 | — | * | — |
| SPAN. PEN. | Corunna ... ... | | | | | | | | | | | | | | | | | | * | |
| | Lisbon ... ... | 30.58 | 48 | N | 4 | b | 30.45 | -.09 | 46 | 44 | -4 | SSW | 2 | o | * | 54 | 45 | — | * | — |
| | Azores (P. Delgada)... | 30.64 | 57 | NNW | 2 | b | 30.53 | -.05 | 58 | 57 | 0 | NNW | 1 | o | 3 | 63 | 50 | — | * | — |
| | ,, (Horta) ... | 30.54 | 60 | WSW | 3 | b | 30.53 | +.02 | 59 | 57 | -3 | Z | 0 | o | 2 | 64 | 57 | — | * | — |

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

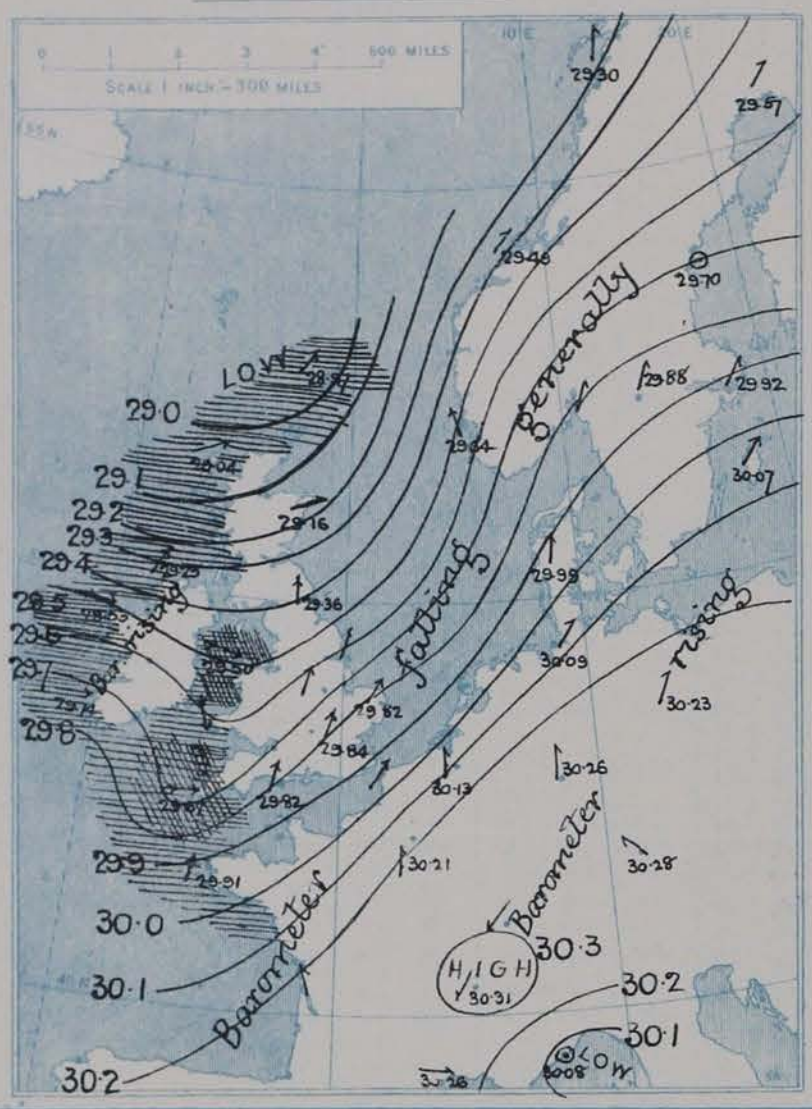
† *Observations received too late for insertion in Charts on next page.*

# WEATHER CHARTS

## FOR SUNDAY, 10TH JANUARY, 1904.

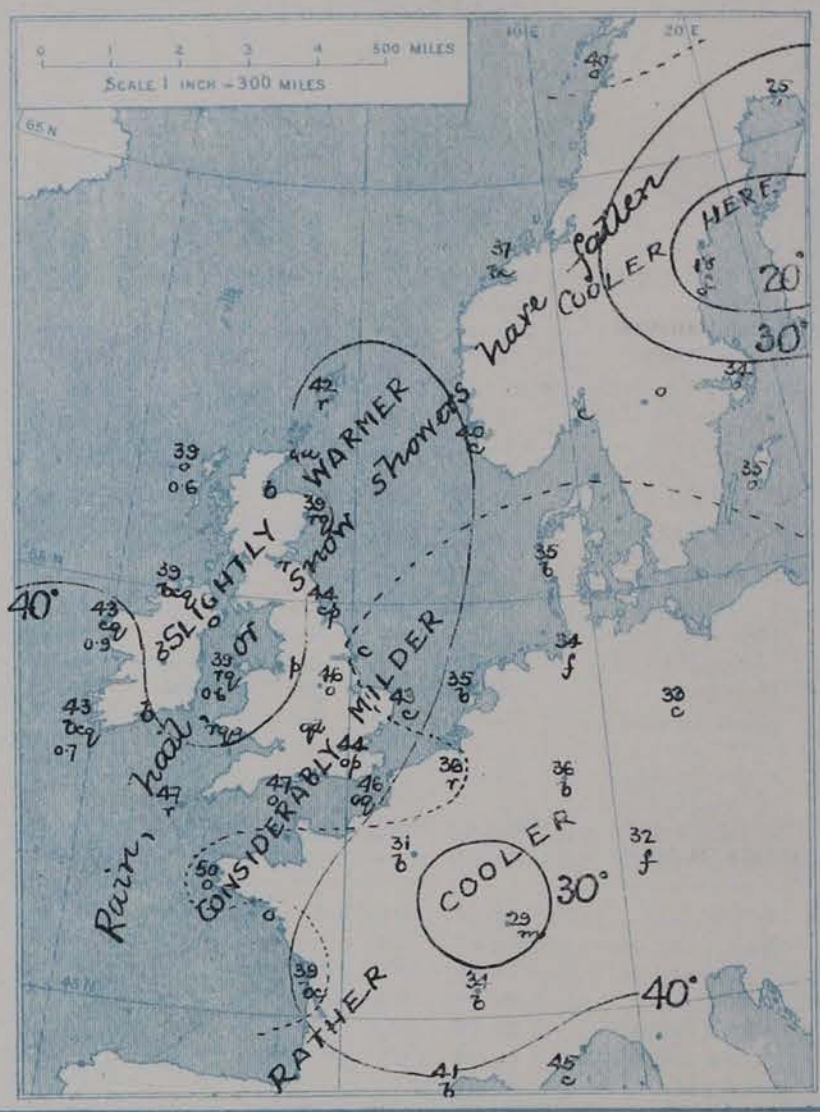
### I. BAROMETER, WIND AND SEA. *This Morning.*

*BAROMETER.—Isobars are drawn for each tenth of an inch.*
*WIND.—Arrows show Directions and Force, flying with the wind.*
*Force above 10* ⟶ ; *Force 8 to 10* ⟶ ; *Force 5 to 7* ⟶ ; *Force 1 to 4* ⟶ ; } Calm ⊙
*SEA.—Rough* ▒ *High* ■



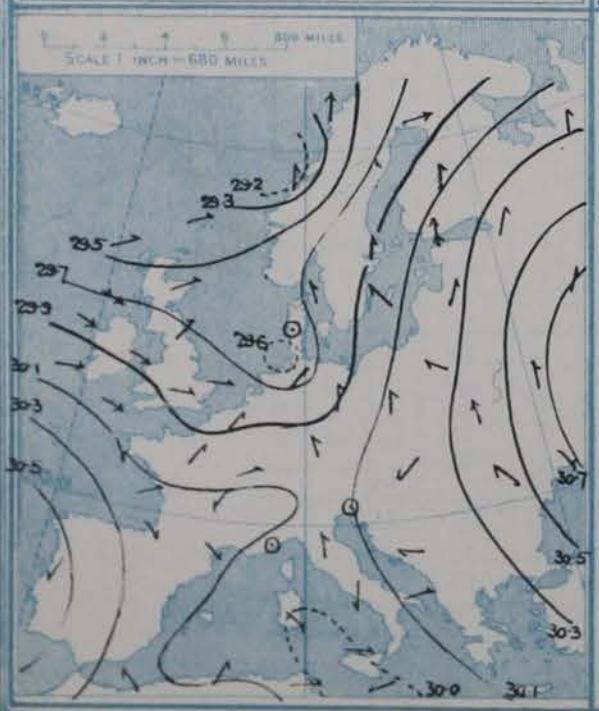

### II. TEMPERATURE AND WEATHER. *This Morning.*

*TEMPERATURE.—Isotherms are drawn for each 10°.*
*WEATHER.—Shown by Letters of the Beaufort Scale.* *(See P. 4.)*
*RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus – 0·6*




### III. BAROMETER AND WIND

*Yesterday morning.*



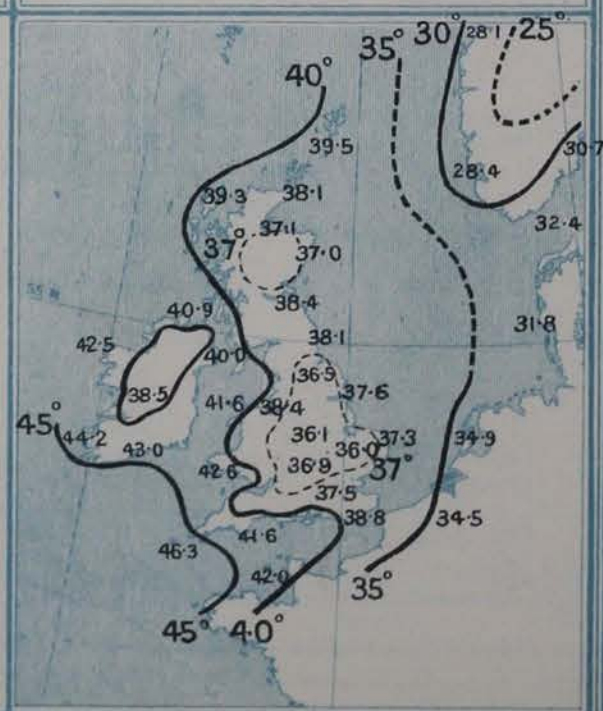

### IV. GREATEST AND LEAST MONTHLY RAINFALL IN JANUARY

*During the 33 Years 1871–1903.*
*Specimen (for LONDON)* { *Greatest Rainfall* 4·69 (IN 1877) / *Least ... Do.* ..... 0·37 (IN 1880)

### V. *Means of* DAILY TEMPERATURE

*at 8 A.M. for the monthly period*

JANUARY (1871–1900.)



# GENERAL SITUATION AT 8 A.M.

**PRESSURE**

The region of highest pressure now extends from the south central portion of the Atlantic across the Spanish Peninsula to central Europe, the barometer being above 30·5 ins. in the Azores, 30·45 ins. at Lisbon, 30·3 ins. at Lyons and nearly as high over Germany. A deep depression, in which the barometer is below 29 ins., has skirted our northwestern coasts and is passing away beyond the north of Scotland, while a V-shaped secondary covers our southwestern districts and is moving E.wd. Gradients are steep in various localities.

**WIND**

At the southwestern stations, in the rear of the "V", the wind has veered to between W. and N., and is blowing a fresh or strong gale. Elsewhere the direction is S.ly to S.W.ly, fresh or strong in places, a moderate at Malin Head. Excepting a faint E.ly air in the east of France, S.ly to S.W.ly winds prevail on the Continent, and are fresh or strong over France and locally in Scandinavia.

**TEMPERATURE**

Temperature is as high as 45° to 48° at most stations in the southern half of England, 36° at Parsonstown and Nairn; on the Continent it ranges from 50° at Brest and 49° at Lorent to 28° at Haparanda and 18° at Hernösand.

**WEATHER AND SEA**

The weather is clear at a few stations in the west and north, but generally it is dull and very unsettled, squally and rainy, the falls ranging upwards to 0·9 in. at Blacksod Point. On the Continent the weather is very variable, clear in many places, raining locally, and fog is reported at Cuxhaven and Munich. The sea is high or rough generally along our northern and western coasts, and down the Bay of Biscay.

During the past 24 hours temperature rose to 50° at Valencia and 49° at Roche's Point, Pembroke and Scilly, but only to 39° at Darwen and Stornoway. In some cases the maximum occurred in the night or this morning. Yesterday's bright sunshine amounted to 4·4 hrs. at Blackpool and 4 hrs. at Aberystwyth and Bath, while some stations had none.

**PROBABLE CHANGES IN SYSTEM NOW PREVALENT**

---

# FORECASTS*

*For the 24 hours ending at NOON on* 11TH JANUARY, 1904

| DISTRICTS. | FORECASTS. | DISTRICTS. | FORECASTS. |
|---|---|---|---|
| 0 SCOTLAND NORTH | NONE ISSUED. | 6 SCOTLAND WEST | NONE ISSUED. |
| 1 SCOTLAND EAST | | 7 ENGLAND N.W. | |
| 2 ENGLAND N.E. | | 8 ENGLAND S.W | |
| 3 ENGLAND EAST | | 9 IRELAND NORTH | |
| 4 MIDLAND COUNTIES | | 10 IRELAND SOUTH | |
| 5 ENGLAND SOUTH | | WARNINGS | At 5.15 pm and 7.20 pm yesterday to districts 0, 1, 2 and 6 to 10 "Hoist South Cone." At 9.0 am. to-day to districts 3 4 5 "Hoist South Cone." The signals are now flying on all coasts. |

*Note.*—The **South Cone**, *point downwards* ( ), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* ( ), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

# REPORTS FOR YESTERDAY.

| STATIONS. | Temperature F. Max. | Temperature F. Min. | Weather. | Sunshine. Hrs. | Rainfall. Ins. |
|---|---|---|---|---|---|
| Blackpool, to 9 p.m. | 43 | 30 | b, bc | 4.4 | 0.08 |
| Southport, to 9 p.m. | 42 | 33 | or, c, b, o | 3.7 | 0.04 |
| Rhyl, | * | * | * | 3.5 | * |
| Llandudno | * | * | * | 2.5 | * |
| Bettws-y-Coed, to 6 p.m. | 40 | 32 | c, b, p | 0.7 | * |
| Aberystwyth, to 6 p.m. | 46 | 40 | o, c | 4.0 | — |
| Plymouth, to 9 p.m. | 47 | 37 | bcp, bc | 4.4 | 0.17 |
| Bournemouth to 6 p.m. | | | | | |
| Worthing | * | * | * | 1.6 | * |
| Brighton | | * | * | | * |
| Eastbourne, to 6 p.m. | | * | * | | * |

| STATIONS. | Temperature F. Max. | Temperature F. Min. | Weather. | Sunshine. Hrs. | Rainfall. Ins. |
|---|---|---|---|---|---|
| Hastings | * | * | * | 1.0 | * |
| Broadstairs | * | * | * | | * |
| Margate | 45 | 35 | c | 0.0 | 0.38 |
| Lowestoft, to 6 p.m. | | | | | |
| Skegness | * | * | * | 1.2 | * |
| Scarborough, to 6 p.m. | | * | * | | * |
| Harrogate, to 6 p.m. | 40 | 30 | c, bc | 3.0 | 0.06 |
| Manchester, to 9 p.m. | | | | | |
| Darwen, to 9 p.m. | 39 | 32 | o, c, m | 0.1 | 0.11 |
| Birmingham, to 9 p.m. | 42 | 34 | o, c, b | 3.3 | 0.04 |

## TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

| STATIONS. 9th Jany, 1904 | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|
| Copenhagen | 34 | 30 | f, s | 0.12 |
| Utrecht | 36 | 32 | s, m | 0.47 |
| Groningen | 34 | 30 | r, o | 0.59 |
| Vienna | 28 | 25 | f, f | — |
| Marseilles | 57 | 43 | o, o | 0.12 |
| Florence | 50 | 44 | o, r | 0.08 |
| Rome | 55 | 46 | o, o | — |
| Naples | 55 | 48 | b, o | — |
| Palermo | 55 | 46 | o, o | 0.04 |
| Malta | 61 | 55 | ?, o | — |

| STATIONS. | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|
| Algiers | 57 | 48 | c, r | 0.43 |
| Tunis | 57 | 41 | f, f | 1.10 |
| Madeira (Funchal) Not recd. | | | | |
| 8th January. | 1 p.m. | * | 1 p.m. | Measured 7 a.m. |
| Geneva | 28 | * | bc | — |
| Berne | 27 | * | f | — |
| Coire | 37 | * | b | — |
| Castasegna | 34 | * | c | — |
| Lugano | 41 | * | b | — |
| Davos | 27 | * | bc | — |

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

### TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

| COUNTRIES, &c. | Hours of Morning Observations by Local Standard Time. | Corresponding Greenwich Times. | Hours of Evening Observations by Local Standard. | Corresponding Greenwich Times. |
|---|---|---|---|---|
| British Isles, Belgium† | 8 a.m. (West European) | 8 a.m. | 6 p.m.‡ (W.E.T.) | 6 p.m.‡ |
| Holland | 8 a.m. ( " " ) | 8 a.m. | 7 p.m. (W.E.T.) | 7 p.m. |
| Germany, Denmark, Norway, Sweden | 8 a.m. (Mid-European) | 7 a.m. | 8 p.m. (M.E.T.) | 7 p.m. |
| France | 7 a.m. (Paris) | 6.51 a.m. | 6 p.m. (Paris) | 5.51 p.m. |
| Spain | 8 a.m. (West European) | 8 a.m. | 6 p.m. (W.E.T.) | 6 p.m. |
| Portugal | 8 a.m. (Lisbon) | 8.36 a.m. | 3.23 p.m. (Lisbon) | 4 p.m. |
| Azores: Ponta Delgada | 6 a.m. (Local) | 7.43 a.m. | 9 p.m. (Local) | 10.43 p.m. |
| Azores: Horta | 6 a.m. (Local) | 7.55 a.m. | 9 p.m. (Local) | 10.55 p.m. |

### TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

| 10th Jany, 1904 | Sunrise G.M.T. | Noon G.M.T. | Sunset G.M.T. |
|---|---|---|---|
| Yarmouth | 8.3 | 12.1 | 3.59 |
| Greenwich | 8.5 | 12.8 | 4.11 |
| Wick | 8.58 | 12.20 | 3.42 |
| Valencia | 8.48 | 12.49 | 4.50 |

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† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

# DAILY WEATHER REPORT

*for 8 a.m. on* Monday, 11th January, 1904.

*Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London.* W. N. SHAW, *Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins. | Temp. Dry Bulb. ° | Wind. Direc. | Wind. Force (0 to 12.) | Weather | THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins. | Barometer. Change since Yesterday. Ins. | Temperature. Dry Bulb. ° | Temperature. Wet Bulb. ° | Temperature. Change since Yesterday. ° | Wind. Direc. | Wind. Force (0 to 12.) | Weather. | Sea (0 to 9.) | PAST 24 HOURS. Temp. Max. ° | Temp. Min. ° | Weather | Sunshine Hours. | Rainfall. Ins. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SCANDINAVIA | Haparanda... ... | 29.63 | 25 | S | 2 | b | 29.62 | +.05 | 33 | 30 | +5 | S | 2 | o | * | 33 | 25 | – | * | – |
| | Hernösand ... ... | 29.79 | 30 | S | 2 | b | 29.66 | –.04 | 34 | 32 | +16 | SSW | 8 | o | * | 34 | 18 | – | * | – |
| | Stockholm ... ... | 30.04 | 32 | N | 0 | 0 | 29.92 | .00 | 36 | 34 | +2 | SSW | 4 | o | * | 36 | 30 | – | * | – |
| | Wisby... ... ... | 30.15 | 38 | SW | 4 | 0 | 30.04 | –.03 | 35 | 33 | 0 | S | 2 | bc | * | 39 | 32 | – | * | – |
| | Karlstad ... ... | 29.92 | 35 | SSW | 6 | 0 | 29.78 | –.10 | 35 | 34 | 0 | SSW | 6 | o | * | * | * | r, o | * | 0.04 |
| | Færder (X'iania Fjord) | 29.75 | 36 | S | 6 | 0 | 29.64 | –.17 | 37 | 36 | –1 | S | 6 | c | 4 | 38 | 36 | – | * | 0.08 |
| | Bodö ... ... ... | 29.42 | 35 | E | 2 | b | 29.23 | –.07 | 35 | 32 | –5 | E | 4 | o | 1 | 40 | 34 | – | * | – |
| | Christiansund ... | 29.14 | 45 | ESE | 5 | 0 | 29.19 | –.30 | 39 | 35 | +2 | SW | 1 | b | 4 | 45 | 37 | – | * | – |
| | Skudesnaes ... | 29.40 | 39 | S | 9 | r | 29.36 | –.28 | 41 | 40 | +1 | S | 8 | bc | 6 | 41 | 37 | r, bc | * | * |
| BRITISH ISLANDS | Sumburgh Head | 29.04 | 39 | WSW | 6 | o | 29.01 | +.04 | 35 | 32 | –7 | W | 3 | r | 5 | 42 | 34 | o | * | 0.18 |
| | Stornoway ... ... | 29.21 | 36 | W | 4 | o | 29.19 | +.15 | 35 | 34 | –4 | NW | 4 | orhg | 4 | 43 | 32 | orsphg,l | 0.0 | 0.30 |
| | Malin Head ... | 29.48 | 39 | WNW | 8 | bchrg | 29.40 | +.17 | 42 | 40 | +3 | W | 6 | c | 5 | 42 | 34 | cbchgrh | * | 0.62 |
| | Blacksod Pt. ... | 29.66 | 43 | WNW | 7 | bcg | 29.49 | –.04 | 44 | 42 | +1 | W | 4 | c | 4 | 45 | 40 | bcg,l | * | 0.36 |
| | Valencia ... ... | 29.91 | 42 | SW | 4 | op | 29.49 | –.25 | 44 | 43 | +1 | SSE | 3 | rg | 5 | 46 | 40 | cp,op | 3.2 | 0.35 |
| | Roche's Point ... | 29.92 | 41 | WSW | 3 | b | 29.61 | –.09 | 45 | 45 | +5 | SSW | 4 | rm | 4 | 45 | 38 | b | * | 0.09 |
| | Parsonstown ... | 29.82 | 39 | W | 2 | r | 29.60 | –.01 | 38 | 37 | +2 | SE | 1 | bc | * | 43 | 35 | r | 3.4 | 0.16 |
| | Donaghadee ... | 29.62 | 38 | W | 3 | bcg | 29.53 | +.13 | 40 | 39 | +1 | W | 2 | bc | 2 | 41 | 36 | p,bcg,l | * | 0.02 |
| | Liverpool Obsy... | 29.78 | 38 | SW | 3 | b | 29.67 | +.17 | 40 | 38 | +1 | SW | 3 | o | 3 | 42 | 35 | r,b | * | 0.24 |
| | Holyhead ... ... | 29.76 | 43 | W | 7 | bc | 29.64 | +.16 | 45 | 44 | +6 | WSW | 7 | dg | 5 | 45 | 38 | c,bc | * | 0.04 |
| | Pembroke (St Ann's) | 29.89 | 46 | W | 6 | bc | 29.74 | +.10 | 44 | 43 | +5 | SW | 6 | ogp | 6 | 47 | 39 | bcgp | 2.7 | 0.08 |
| | Scilly (St. Mary's) | 30.00 | 46 | WNW | 4 | c | 29.80 | +.13 | 45 | 44 | –2 | SW | 5 | op | 6 | 48 | 41 | c | 2.5 | 0.26 |
| | Jersey (St. Aubins) ... | | | | | | | | | | | | | | | | | | | |
| | Portland Bill ... | 29.95 | 42 | WNW | 4 | c | 29.91 | +.09 | 43 | 43 | –4 | W | 5 | p | 4 | 48 | 38 | c | * | 0.28 |
| | Dungeness ... ... | 29.90 | 46 | WSW | 7 | rg | 29.93 | –.01 | 44 | 43 | –2 | SW | 5 | c | 4 | 47 | 37 | c, rg | 0.1 | 0.11 |
| | Wick ... ... ... | 29.19 | 40 | W | 3 | bc | 29.12 | +.09 | 33 | 32 | –7 | NW | 4 | bc | 2 | 40 | 32 | bc, l, s | * | 0.05 |
| | Nairn ... ... ... | 29.27 | 35 | W | 2 | bc | 29.24 | +.14 | 34 | 33 | –2 | SW | 3 | c | 1 | 38 | 32 | bc, rs | * | 0.27 |
| | Aberdeen ... ... | 29.35 | 36 | WSW | 4 | bg | 29.29 | +.13 | 35 | 33 | –4 | SW | 4 | b | 2 | 39 | 34 | o, c, bg, p | 1.1 | 0.04 |
| | Leith ... ... ... | 29.44 | 37 | WSW | 4 | bc | 29.39 | +.13 | 38 | 37 | –1 | WSW | 3 | c | * | 42 | 35 | bcp, r | * | 0.21 |
| | North Shields ... | 29.54 | 39 | SW | 3 | c | 29.50 | +.14 | 41 | 39 | –3 | SW | 3 | b | 2 | 45 | 36 | r, c | * | 0.07 |
| | Spurn Head .. | 29.74 | 37 | SW | 5 | b | 29.70 | +.08 | 37 | 36 | –5 | SSW | 6 | c | 3 | 43 | 33 | rshp, b | * | 0.20 |
| | Yarmouth ... ... | 29.78 | 39 | SW | 4 | o | 29.82 | .00 | 36 | 35 | –7 | WSW | 4 | bc | 3 | 45 | 33 | c, h, o | * | 0.07 |
| | Clacton-on-Sea ... | 29.89 | 37 | WNW | 1 | o | 29.89 | +.01 | 38 | 37 | –3 | SW | 4 | o | 4 | 44 | 34 | – | 0.6 | 0.09 |
| | Nottingham ... | 29.81 | 36 | W | 2 | b | 29.75 | +.11 | 39 | 37 | –7 | SSW | 2 | o | * | 48 | 34 | o, b | 0.0 | 0.15 |
| | Bath ... ... ... | 29.88 | 40 | SW | 1 | bc | 29.84 | +.11 | 41 | 39 | –7 | S | 3 | o | * | 49 | 33 | – | 0.0 | 0.17 |
| | Oxford ... ... | 29.95 | 36 | SW | 2 | b | 29.86 | +.09 | 38 | 37 | –7 | SSW | 3 | o | * | 47 | 34 | gd, rhp, b | * | 0.26 |
| | London (Brixton) ... | 29.90 | 39 | W | 2 | o | 29.89 | +.05 | 39 | 38 | –5 | WSW | 2 | cm | * | 47 | 34 | org, b | 0.0 | 0.15 |
| GERMANY, &c. | The Scaw (Skagen) | 29.82 | 38 | SW | 6 | m | 29.75 | | 38 | 37 | | SW | 5 | m | 1 | 38 | 34 | – | * | – |
| | Fanö ... ... ... | 29.88 | 35 | SSE | 6 | o | 29.84 | –.15 | 35 | 35 | 0 | SSE | 2 | c | * | 37 | 34 | – | * | 0.04 |
| | Cuxhaven ... ... | 30.08 | 35 | S | 5 | b | 29.95 | –.14 | 34 | 33 | 0 | SSW | 3 | o | * | 37 | 34 | b, s | * | 0.08 |
| | The Helder ... | 29.88 | 39 | SSW | 7 | o | 29.86 | –.09 | 37 | 37 | +2 | SW | 4 | o | 3 | 41 | 32 | – | * | – |
| | Brussels ... ... | * | * | * | * | * | 30.05 | –.08 | 33 | 33 | –3 | SSW | 2 | o | * | 40 | 32 | – | * | 0.04 |
| | Berlin ... ... ... | 30.23 | 34 | S | 1 | b | 30.12 | –.11 | 27 | 26 | –6 | SSE | 2 | b | * | 37 | 25 | – | * | – |
| | Frankfürt ... ... | 30.20 | 32 | N | 0 | b | 30.17 | –.09 | 27 | 26 | –9 | S | 2 | f | * | 34 | 25 | – | * | – |
| | Munich ... ... | 30.17 | 31 | SE | 2 | o | 30.13 | –.15 | 28 | 28 | –4 | N | 0 | f | * | 34 | 27 | – | * | – |
| FRANCE. | C. Gris Nez ... | 29.94 | 41 | SSW | 6 | r | 29.94 | –.03 | 40 | 39 | –1 | SSW | 5 | o | 5 | 43 | 39 | – | * | 0.35 |
| | Brest ... ... ... | 30.03 | 41 | NE | 2 | c | 30.01 | +.10 | 46 | 44 | –4 | SW | 3 | o | 5 | 50 | 39 | – | * | 0.66 |
| | Lorient ... ... | 30.01 | 48 | SW | 4 | c | 30.07 | +.06 | 44 | 42 | –5 | S | 3 | o | 5 | 52 | 36 | – | * | 0.12 |
| | Rochefort ... ... | 30.05 | 38 | SE | 3 | b | 30.12 | –.07 | 34 | 34 | –5 | SSE | 3 | m | * | 45 | 32 | o, b | * | – |
| | Biarritz ... ... | 30.08 | 48 | S | 1 | b | 30.20 | | 46 | 44 | | SSW | 3 | r | 4 | 50 | 41 | – | * | – |
| | Paris ... ... ... | 30.14 | 34 | S | 3 | o | 30.13 | –.08 | 31 | 30 | 0 | SSW | 2 | o | * | 40 | 31 | – | * | – |
| | Belfort... ... ... | 30.17 | 33 | ENE | 4 | b | 30.17 | –.11 | 21 | 21 | –8 | ENE | 2 | f | * | 41 | 21 | – | * | – |
| | Lyons ... ... ... | 30.22 | 34 | NW | 1 | o | 30.25 | –.06 | 29 | 29 | –5 | N | 1 | o | * | 41 | 29 | – | * | – |
| | Nice ... ... ... | 30.04 | 45 | N | 0 | o | 30.06 | –.02 | 45 | 41 | 0 | N | 0 | o | 4 | 50 | 43 | – | * | 0.04 |
| | Perpignan ... ... | 30.12 | 37 | N | 0 | b | 30.14 | –.12 | 30 | 28 | –11 | SW | 2 | b | * | 50 | 28 | – | * | – |
| SPAN. PEN. | Corunna ... ... | | | | | | | | | | | | | | | | | | * | |
| | Lisbon † ... ... | 30.31 | 53 | NNW | 5 | bc | 30.37 | –.08 | 47 | 44 | +1 | N | 2 | c | * | 54 | 45 | – | * | 0.32 |
| | Azores (P. Delgada)... | | | | | | | | | | | | | | | | | | * | |
| | ,, (Horta) ... | 30.54 | 45 | N | 9 | o | 30.49 | –.04 | 61 | 56 | +2 | SW | 4 | o | 2 | 64 | 57 | – | * | – |

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column are not generally received.*

† *Observations received too late for insertion in Charts on next page.*

# WEATHER CHARTS

FOR MONDAY, 11TH JANUARY, 1904.

## I. BAROMETER, WIND AND SEA. *This Morning.*

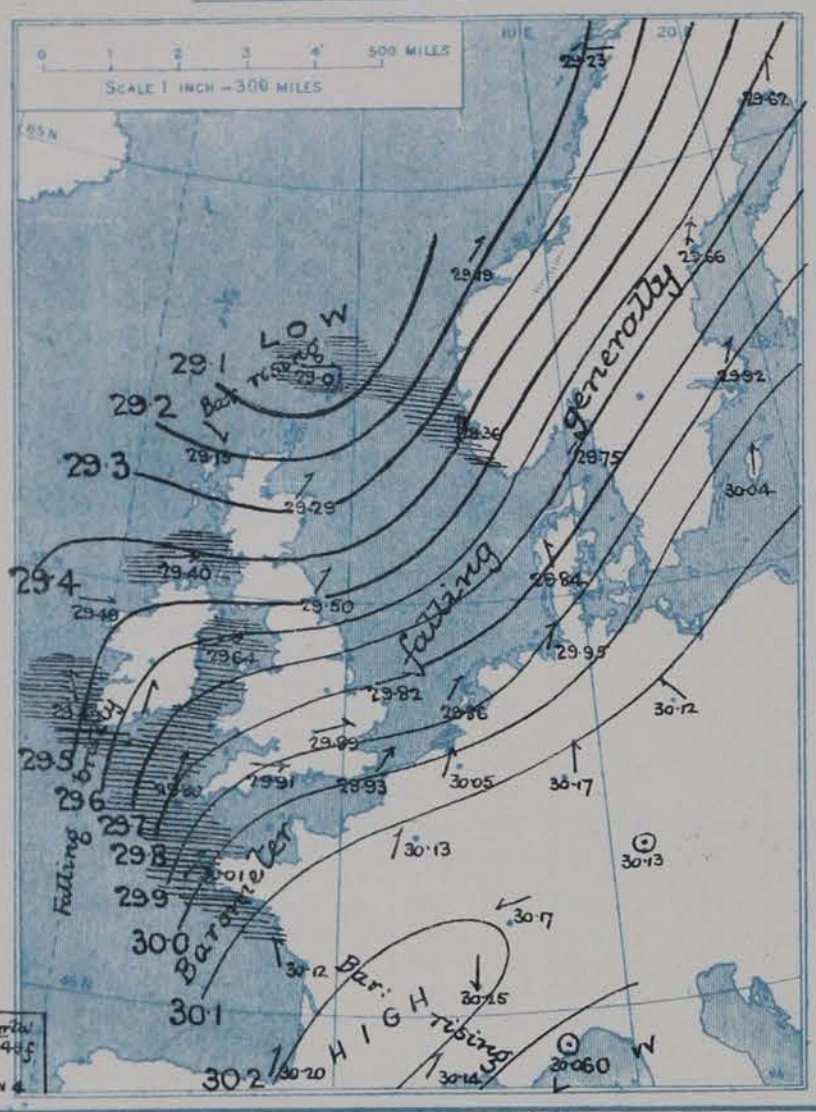
*BAROMETER.—Isobars are drawn for each tenth of an inch.*

*WIND.—Arrows show Directions and Force, flying with the wind.*

*Force above 10* ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙

*Force 8 to 10* ⟶ : *Force 1 to 4* ⟶ : }

*SEA.—Rough* *High*

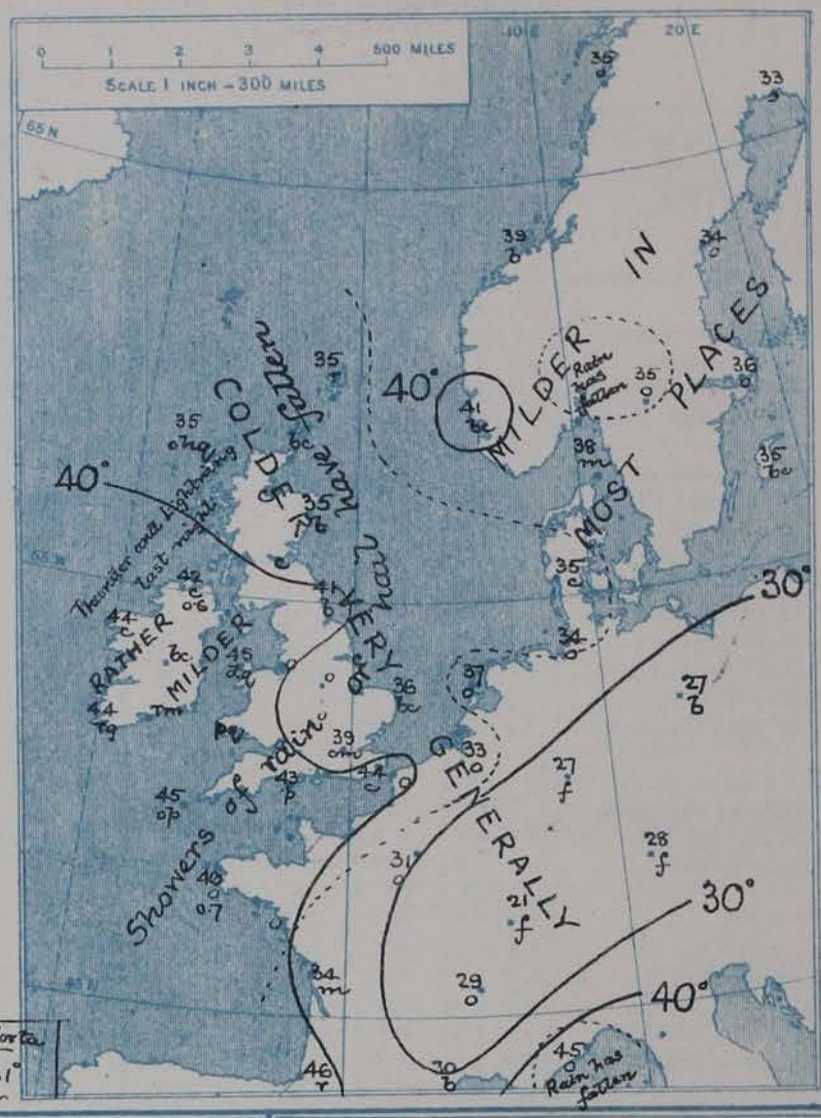



## II. TEMPERATURE AND WEATHER. *This Morning.*

*TEMPERATURE.—Isotherms are drawn for each 10°.*

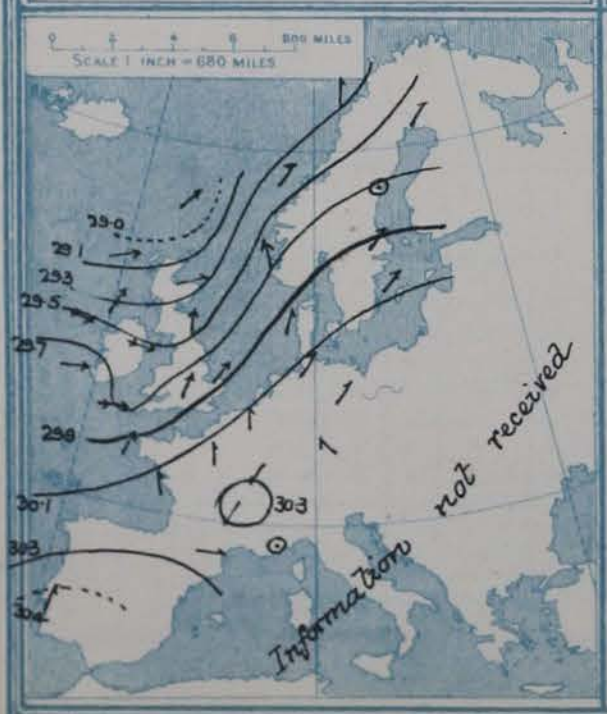
*WEATHER.—Shown by Letters of the Beaufort Scale.* *(See P. 4.)*

*RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus - 0·6*




## III. BAROMETER AND WIND

*Yesterday morning.*




## IV. GREATEST AND LEAST MONTHLY RAINFALL IN JANUARY

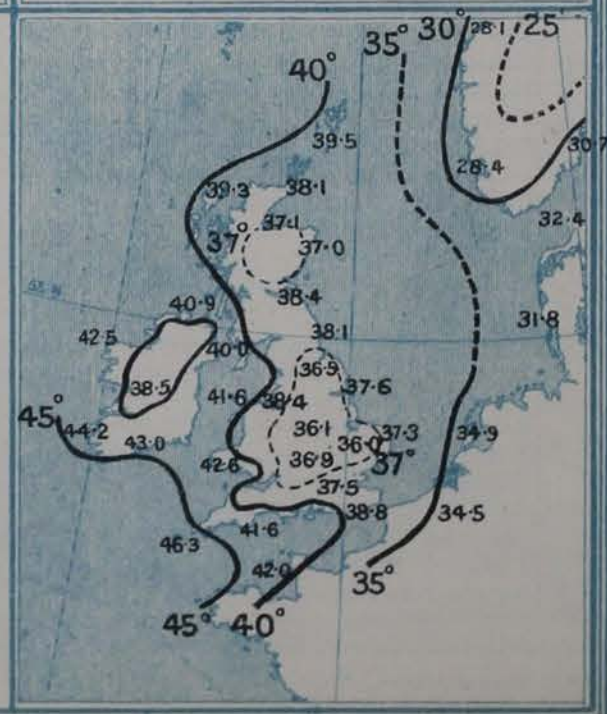
*During the 33 Years 1871-1903.*

*Specimen (for LONDON)* { *Greatest Rainfall* 4·69 (IN 1877) / *Least ... Do* ..... 0·37 (IN 1880) }

## V. *Means of* DAILY TEMPERATURE

*at 8 A.M. for the monthly period*

JANUARY (1871-1900.)



# GENERAL SITUATION AT 8 A.M.

**PRESSURE**

The barometer continues highest in the Azores (Horta 30·49 ins.) and relatively high over the southern parts of the Continent (Lyons 30·25 ins.), while depressions are travelling in a general S.W'ly direction over the northwestern and northern portion of our area. The lowest reading reported is 29·01 ins. in the Shetlands, but the mercury is lower to the northward of that locality. A brisk decrease of pressure is now taking place in Ireland under the influence of another disturbance advancing from the Atlantic.

**WIND**

The wind is S.W'ly. to W'ly. over our Islands as a whole, but in the south of Ireland it has already backed to the S; it blows freshly or strongly in some places, but has little force generally. Over France and Germany light airs from some S'ly. point are mainly prevalent, but over Scandinavia the S'ly. wind is strong to a gale.

**TEMPERATURE**

Temperature has fallen except in Ireland, Wales and Sweden. At Roches Point and Scilly it is 45°, at Shields 41°, Leith 38°, and at Wick 33°. The Continental readings range from 46° at Biarritz to 31° at Paris and to a few degrees lower over Germany.

**WEATHER AND SEA**

The sky has partially cleared at many of our eastern stations, but is overcast in the west, and in several places rain is falling. On the Continent the weather varies a good deal; at Biarritz it is rainy, at Berlin and in the west of Norway fine and bright, while at Belfort and mat German stations it is foggy. The sea is rather rough or rough on our southwestern and western coasts, as well as off the north of Scotland and the southwest of Norway.

During yesterday the thermometer rose to 49° at Bath and to 45° or upwards in many parts of the Kingdom; in the northeast of Scotland, however, the maxima were about 40°. Rain has fallen throughout our Islands and the adjacent parts of the Continent, the heaviest amounts being 0·66 in. at Brest and 0·63 in. at Malin Head. Thunder and lightning occurred in the north of Ireland during the night and lightning only at several northwestern stations. Scarcely any bright sunshine was registered over the Kingdom as a whole, but in Ireland there were more than 3 hours.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are no indications of any change in the general distribution of barometric pressure. The new depression in the west will probably move northeastwards and be accompanied by a general increase in the strength of the S'ly. and S.W'ly. winds, and mild and rainy weather.

# FORECASTS*

*For the 24 hours ending at NOON on 12th JANUARY, 1904*

| DISTRICTS. | FORECASTS. |
|---|---|
| 0 SCOTLAND NORTH | Wind backing towards S., and increasing again; rain at times—most in west. Rather mild. |
| 1 SCOTLAND EAST | |
| 2 ENGLAND N.E. | S'ly. to S.W'ly. winds, moderate to strong; mild, changeable, becoming rainy again. |
| 3 ENGLAND EAST | |
| 4 MIDLAND COUNTIES | |
| 5 ENGLAND SOUTH | |
| 6 SCOTLAND WEST | S'ly. to S.W'ly. or W'ly. winds, fresh or strong generally, a gale in places; mild, rainy, squally. |
| 7 ENGLAND N.W. | |
| 8 ENGLAND S.W | |
| 9 IRELAND NORTH | |
| 10 IRELAND SOUTH | |
| WARNINGS | The South Cone is still flying on all coasts. |

*Note.*—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone

* *For terms for transmission of Forecasts by Telegraph, see next page.*

# REPORTS FOR YESTERDAY.

| STATIONS. | Temperature F. Max. | Temperature F. Min. | Weather. | Sunshine Hrs. | Rainfall. Ins. |
|---|---|---|---|---|---|
| Blackpool, to 9 p.m. ... ... | 46 | 36 | o, b | 1·5 | 0·41 |
| Southport, to 9 p.m. ... ... | 47 | 36 | os, r, c, b | 1·5 | 0·35 |
| Rhyl, ... ... ... ... ... ... | * | * | * | 2·0 | * |
| Llandudno ... ... ... ... | * | * | * | 2·0 | * |
| Bettws-y-Coed, to 6 p.m. ... | 47 | 36 | bc, ch, b | 1·6 | * |
| Aberystwyth, to 6 p.m. ... | 44 | 39 | r, o, c | 3·0 | 0·18 |
| Plymouth, to 9 p.m. ... ... | | | | | |
| Bournemouth to 6 p.m. ... | | | | | |
| Worthing ... ... ... ... | * | * | * | 0·0 | * |
| Brighton ... ... ... ... | 47 | * | * | 0·0 | * |
| Eastbourne, to 6 p.m. ... | 46 | * | * | 0·0 | * |

| STATIONS. | Temperature F. Max. | Temperature F. Min. | Weather. | Sunshine Hrs. | Rainfall. Ins. |
|---|---|---|---|---|---|
| Hastings ... ... ... ... | * | * | * | 0·0 | * |
| Broadstairs... ... ... ... | * | * | * | | * |
| Margate ... ... ... ... | 47 | 34 | r | 0·0 | 0·01 |
| Lowestoft, to 6 p.m. ... ... | | | | | |
| Skegness ... ... ... ... | * | * | * | 0·0 | * |
| Scarborough, to 6 p.m. ... | 46 | * | * | 0·0 | * |
| Harrogate, to 6 p.m. ... | 46 | 35 | bc, or, b | 0·5 | 0·18 |
| Manchester, to 9 p.m. ... | | | | | |
| Darwen, to 7 p.m. ... .. | 42 | 32 | c, ors, m, o | 0·0 | 0·50 |
| Birmingham, to 9 p.m. ... | 46 | 35 | o, rs, o, b | 0·0 | 0·19 |

## TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

| STATIONS. 10th Jany, 1904 | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|
| Obsns. not received. | | | | |
| Copenhagen ... ... ... | | | | |
| Utrecht... ... ... ... ... | | | | |
| Groningen ... ... ... ... | | | | |
| Vienna ... ... ... ... ... | | | | |
| Marseilles ... ... ... ... | | | | |
| Florence ... ... ... ... | | | | |
| Rome ... ... ... ... ... | | | | |
| Naples ... ... ... ... ... | | | | |
| Palermo ... ... ... ... | | | | |
| Malta ... ... ... ... ... | | | | |

| STATIONS. | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|
| Obsns. not received. | | | | |
| Algiers ... ... ... ... | | | | |
| Tunis ... ... ... ... | | | | |
| Madeira (Funchal) ... ... | | | | |
| 9th January. | 1 p.m. | * | 1 p.m. | Measured 7 a.m. |
| Geneva ... ... ... ... | 45 | * | o | 0.20 |
| Berne ... ... ... ... | 41 | * | o | — |
| Coire ... ... ... ... | 39 | * | r | — |
| Castasegna ... ... ... | 39 | * | c | — |
| Lugano ... ... ... ... | 41 | * | o | — |
| Davos ... ... .. ... | 30 | * | s | — |

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

### TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

| COUNTRIES, &c. | Hours of Morning Observations by Local Standard Time. | Corresponding Greenwich Times. | Hours of Evening Observations by Local Standard. | Corresponding Greenwich Times. |
|---|---|---|---|---|
| British Isles, Belgium† ... | 8 a.m. (West European) | 8 a.m. | 6 p.m.‡ (W.E.T.) | 6 p.m.‡ |
| Holland ... ... ... ... ... | 8 a.m. ( „ „ ) | 8 a.m. | 7 p.m. (W.E.T.) | 7 p.m. |
| Germany, Denmark, Norway, Sweden | 8 a.m. (Mid-European) | 7 a.m. | 8 p.m. (M.E.T.) | 7 p.m. |
| France ... ... ... ... ... | 7 a.m. (Paris) ... ... | 6.51 a.m. | 6 p.m. (Paris) | 5.51 p.m. |
| Spain ... ... ... ... ... | 8 a.m. (West European) | 8 a.m. | 6 p.m. (W.E.T.) | 6 p.m. |
| Portugal ... ... ... ... ... | 8 a.m. (Lisbon) ... ... | 8.36 a.m. | 3.23 p.m. (Lisbon) | 4 p.m. |
| Azores { Ponta Delgada ... ... | 6 a.m. (Local) ... ... | 7.43 a.m. | 9 p.m. (Local) | 10.43 p.m. |
| Azores { Horta ... ... ... | 6 a.m. (Local) ... ... | 7.55 a.m. | 9 p.m. (Local) | 10.55 p.m. |

### TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

| 11th Jany. 1904. | Sunrise G.M.T. | Noon G.M.T. | Sunset G.M.T. |
|---|---|---|---|
| Yarmouth ... ... ... | 8.2 | 12.1 | 4.0 |
| Greenwich ... ... ... | 8.4 | 12.8 | 4.12 |
| Wick ... ... ... ... | 8.57 | 12.20 | 3.43 |
| Valencia ... ... ... | 8.47 | 12.49 | 4.51 |

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† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

# DAILY WEATHER REPORT

*for 8 a.m. on* Tuesday, 12th January, 1904.

*Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London.* **W. N. SHAW.** *Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins. | Temp. Dry Bulb. ° | Wind. Direc. | Wind. Force (0 to 12.) | Weather | THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins. | Change since Yesterday. Ins. | Temperature. Dry Bulb. ° | Wet Bulb. ° | Change since Yesterday. ° | Wind. Direc. | Wind. Force (0 to 12.) | Weather. | Sea (0 to 9.) | PAST 24 HOURS. Temp. Max. ° | Temp. Min. ° | Weather | Sunshine Hours | Rainfall Ins. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SCANDINAVIA | Haparanda ... ... | 29.61 | 34 | S | 6 | 0 | 29.55 | −.09 | 33 | 32 | 0 | SSW | 4 | 0 | * | 34 | 25 | – | * | – |
| | Hernösand ... ... | 29.61 | 35 | S | 6 | 8 | 29.51 | −.15 | 33 | 32 | −1 | S | 6 | S | * | 36 | 27 | – | * | – |
| | Stockholm ... ... | 29.82 | 35 | Z | 0 | r | 29.61 | −.31 | 34 | 32 | −2 | S | 6 | 0 | * | 36 | 32 | – | * | 0.08 |
| | Wisby ... ... ... | 29.86 | 37 | S | 4 | c | 29.69 | −.35 | 36 | 34 | +1 | S | 2 | 0 | * | 37 | 30 | – | * | – |
| | Karlstad ... ... | 29.65 | 34 | SSW | 8 | 0 | 29.39 | −.39 | 33 | 33 | −2 | S | 4 | S | * | * | * | – | * | 0.20 |
| | Færder (X'iania Fjord) | 29.49 | 37 | SSW | 6 | r | 29.38 | −.26 | 34 | 33 | −3 | W | 2 | 8c | 3 | 37 | 32 | – | * | 0.35 |
| | Bodö ... ... ... | 29.23 | 36 | SE | 2 | 8 | 29.19 | −.04 | 37 | 34 | +2 | S | 1 | 8 | 2 | 39 | 35 | – | * | – |
| | Christiansund ... | 29.12 | 39 | SW | 6 | c | 29.23 | +.04 | 38 | 34 | −1 | W | 8 | 8c | 5 | 43 | 36 | – | * | – |
| | Skudesnaes ... | 29.37 | 39 | S | 4 | c | 29.43 | +.07 | 37 | 36 | −4 | W | 2 | c | 3 | 41 | 34 | c | * | * |
| BRITISH ISLANDS | Sumburgh Head | 29.22 | 36 | WNW | 3 | 0 | 29.32 | +.31 | 34 | 33 | −1 | Z | 0 | 0 | 4 | 40 | 34 | c, o | * | 0.13 |
| | Stornoway ... ... | 29.33 | 37 | W | 2 | c | 29.21 | +.02 | 40 | 38 | +5 | SSE | 4 | r | 4 | 40 | 33 | rsp, c | 0.7 | 0.16 |
| | Malin Head ... | 29.52 | 41 | W | 5 | 8cp | 29.23 | −.17 | 40 | 40 | −2 | SW | 8 | 0g | 6 | 43 | 35 | cp, 8cp | * | 0.14 |
| | Blacksod Pt. ... | 29.61 | 44 | NW | 3 | 0 | 29.40 | −.09 | 49 | 48 | +5 | WNW | 6 | cp | 5 | 49 | 37 | c, o, l | * | 0.15 |
| | Valencia ... ... | 29.68 | 45 | N | 2 | c | 29.55 | +.06 | 51 | 50 | +7 | SW | 4 | om | 5 | 51 | 42 | 8c, c | 3.8 | 0.22 |
| | Roche's Point ... | 29.82 | 45 | N | 1 | 0 | 29.60 | −.01 | 48 | 48 | +3 | SSW | 2 | m | 1 | 48 | 38 | op | * | 0.15 |
| | Parsonstown ... | 29.64 | 39 | E | 1 | 8 | 29.51 | −.09 | 44 | 43 | +6 | S | 3 | c | * | 46 | 36 | 8, r | 0.3 | 0.17 |
| | Donaghadee ... | 29.57 | 41 | WNW | 2 | 0 | 29.49 | −.04 | 38 | 38 | −2 | WSW | 1 | r | 1 | 43 | 32 | – | * | 0.18 |
| | Liverpool Obsy... | 29.61 | 42 | SW | 1 | r | 29.61 | −.06 | 40 | 38 | 0 | SW | 1 | 0 | 1 | 43 | 39 | p | * | 0.07 |
| | Holyhead ... ... | 29.58 | 45 | WSW | 2 | odpm | 29.58 | −.06 | 44 | 44 | −1 | SW | 6 | rm | 4 | 46 | 40 | odpm | * | 0.05 |
| | Pembroke (St Ann's) | 29.52 | 45 | ENE | 5 | 0 | 29.65 | −.09 | 46 | 44 | +2 | SW | 5 | ogp | 5 | 46 | 41 | odm, gm | 0.0 | 0.07 |
| | Scilly (St. Mary's) ... | 29.49 | 49 | W | 4 | 0 | 29.73 | −.07 | 48 | 46 | +3 | WSW | 5 | 0 | 5 | 50 | 45 | r, o | 0.0 | 0.29 |
| | Jersey (St. Aubins) ... | | | | | | | | | | | | | | | | | | | |
| | Portland Bill ... | 29.63 | 44 | S | 6 | gp | 29.72 | −.19 | 44 | 43 | +1 | NW | 3 | 8c | 3 | 48 | 43 | cgp, f | * | 0.12 |
| | Dungeness ... ... | 29.80 | 44 | SW | 6 | r | 29.68 | −.25 | 45 | 45 | +1 | S | 1 | 0 | 3 | 45 | 42 | c, r | 0.0 | 0.10 |
| | Wick ... ... ... | 29.30 | 35 | NW | 3 | 8c | 29.28 | +.16 | 35 | 34 | +2 | S | 2 | 0 | 2 | 37 | 28 | 8c, s | * | 0.02 |
| | Nairn ... ... ... | 29.39 | 34 | W | 1 | 8 | 29.33 | +.09 | 36 | 33 | +2 | E | 1 | 8c | 1 | 36 | 31 | – | * | – |
| | Aberdeen ... ... | 29.41 | 34 | SW | 2 | 8m | 29.43 | +.14 | 33 | 31 | −2 | SW | 2 | om | 2 | 38 | 30 | 8m | 4.0 | – |
| | Leith ... ... ... | 29.47 | 38 | W | 2 | c | 29.44 | +.05 | 39 | 37 | +1 | SSW | 1 | 0 | * | 40 | 32 | c, rs | * | 0.32 |
| | North Shields ... | 29.51 | 42 | WSW | 3 | cp | 29.55 | +.05 | 35 | 34 | −6 | SSW | 1 | om | 2 | 44 | 34 | cm, cp | * | – |
| | Spurn Head .. | 29.61 | 39 | SSW | 5 | c | 29.60 | −.10 | 39 | 38 | +2 | WSW | 3 | cm | 2 | 42 | 35 | – | * | 0.01 |
| | Yarmouth ... ... | 29.70 | 43 | SW | 4 | 0 | 29.63 | −.19 | 42 | 41 | +6 | WSW | 3 | 8cf | 3 | 43 | 35 | 8c, o | * | – |
| | Clacton-on-Sea ... | 29.76 | 41 | SW | 4 | c | 29.67 | −.22 | 40 | 40 | +2 | SW | 1 | m | 1 | 42 | 37 | c, 8c, o, f | 3.3 | 0.01 |
| | Nottingham ... | 29.64 | 42 | SSW | 1 | r | 29.63 | −.12 | 39 | 39 | 0 | SW | 1 | f | * | 45 | 38 | o, r | 0.0 | 0.03 |
| | Bath ... ... ... | 29.63 | 44 | NW | 2 | 0 | 29.68 | −.16 | 44 | 43 | +3 | Z | 0 | 0 | * | 47 | 41 | – | 0.0 | 0.06 |
| | Oxford ... ... | 29.66 | 43 | S | 2 | 0 | 29.67 | −.19 | 41 | 41 | +3 | WSW | 1 | f | * | 45 | 38 | opd | * | 0.01 |
| | London (Brixton) ... | 29.71 | 44 | SW | 3 | 0 | 29.66 | −.23 | 43 | 43 | +4 | SSW | 1 | ogf | * | 46 | 39 | o, od | 0.0 | 0.01 |
| GERMANY, &c. | The Scaw (Skagen) | 29.59 | 38 | SW | 6 | r | 29.44 | −.31 | 35 | 35 | −3 | W | 4 | 8c | 1 | 38 | 34 | – | * | 0.12 |
| | Fanö ... ... ... | 29.68 | 36 | SSW | 6 | r | 29.60 | −.24 | 36 | 34 | +1 | SSW | 2 | 0 | * | 37 | 34 | – | * | 0.28 |
| | Cuxhaven ... ... | 29.88 | 34 | S | 5 | 0 | 29.70 | −.25 | 34 | 34 | 0 | SSW | 5 | 0 | * | 36 | 34 | – | * | 0.08 |
| | The Helder ... | 29.76 | 36 | SSW | 4 | 0 | 29.68 | −.18 | 38 | 38 | +1 | SW | 2 | 0 | 2 | 38 | 36 | – | * | – |
| | Brussels .. ... | * | * | * | * | * | 29.76 | −.29 | 36 | 36 | +3 | SSW | 4 | r | * | 37 | 33 | – | * | – |
| | Berlin ... ... ... | 30.02 | 31 | S | 2 | c | 29.89 | −.23 | 31 | 30 | +4 | S | 3 | 0 | * | 34 | 27 | – | * | – |
| | Frankfürt ... ... | 30.08 | 30 | SW | 3 | 0 | 29.99 | −.18 | 30 | 28 | +3 | SW | 3 | 0 | * | 32 | 27 | – | * | – |
| | Munich ... ... | 30.11 | 28 | SE | 1 | 8 | 30.01 | −.12 | 22 | 22 | −6 | SW | 3 | 8 | * | 30 | 21 | – | * | – |
| FRANCE. | C. Gris Nez ... | 29.83 | 38 | S | 5 | c | 29.71 | −.23 | ?40 | 40 | 0 | S | 4 | f | 4 | 41 | 38 | – | * | 0.04 |
| | Brest ... ... ... | 29.59 | 50 | SW | 4 | f | 29.83 | −.18 | 48 | 45 | +2 | NW | 3 | 0 | 4 | 50 | 45 | – | * | 0.32 |
| | Lorient ... ... | 29.71 | 49 | SSW | 6 | r | 29.83 | −.24 | 49 | 46 | +5 | NW | 5 | 0 | 5 | 50 | 44 | – | * | 0.51 |
| | Rochefort ... ... | 29.97 | 42 | S | 4 | r | ?29.93 | −.19 | 49 | 48 | +15 | SW | 3 | 0 | * | ? | ? | o, r | * | 0.20 |
| | Biarritz ... ... | 30.14 | 49 | S | 2 | 0 | 30.06 | −.14 | 50 | 50 | +4 | WSW | 4 | r | 5 | 52 | 45 | – | * | 0.08 |
| | Paris ... ... ... | 29.99 | 34 | S | 3 | 0 | 29.82 | −.31 | 41 | 40 | +10 | SW | 4 | 0 | * | ? | ?31 | – | * | 0.08 |
| | Belfort... ... ... | 30.13 | 24 | SW | 4 | f | 30.02 | −.15 | 26 | 25 | +5 | Z | 0 | 0 | * | 33 | 21 | – | * | – |
| | Lyons ... ... ... | 30.23 | 29 | E | 1 | f | 30.10 | −.15 | 33 | 32 | +4 | SSW | 1 | 0 | * | 33 | 28 | – | * | – |
| | Nice ... ... ... | 30.10 | 42 | Z | 0 | 8 | 30.13 | +.07 | 40 | 39 | −5 | E | 1 | 8c | 3 | 50 | 39 | – | * | – |
| | Perpignan ... ... | 30.14 | 43 | NW | 1 | 8 | 30.10 | −.04 | 36 | 34 | +6 | SW | 1 | 0 | * | 53 | 30 | – | * | – |
| SPAN. PEN. | Corunna ... ... | | | | | | | | | | | | | | | | | | * | |
| | Lisbon ... ... | | | | | | | | | | | | | | * | | | | * | |
| | Azores (P. Delgada)... | | | | | | | | | | | | | | | | | | * | |
| | ,, (Horta) ... | 30.42 | 62 | SW | 5 | 0 | 30.30 | −.19 | 61 | 59 | 0 | SW | 5 | 8 | 2 | 63 | 59 | – | * | 0.04 |

**NOTE:** *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea*

* *Observations for this column not generally received.*

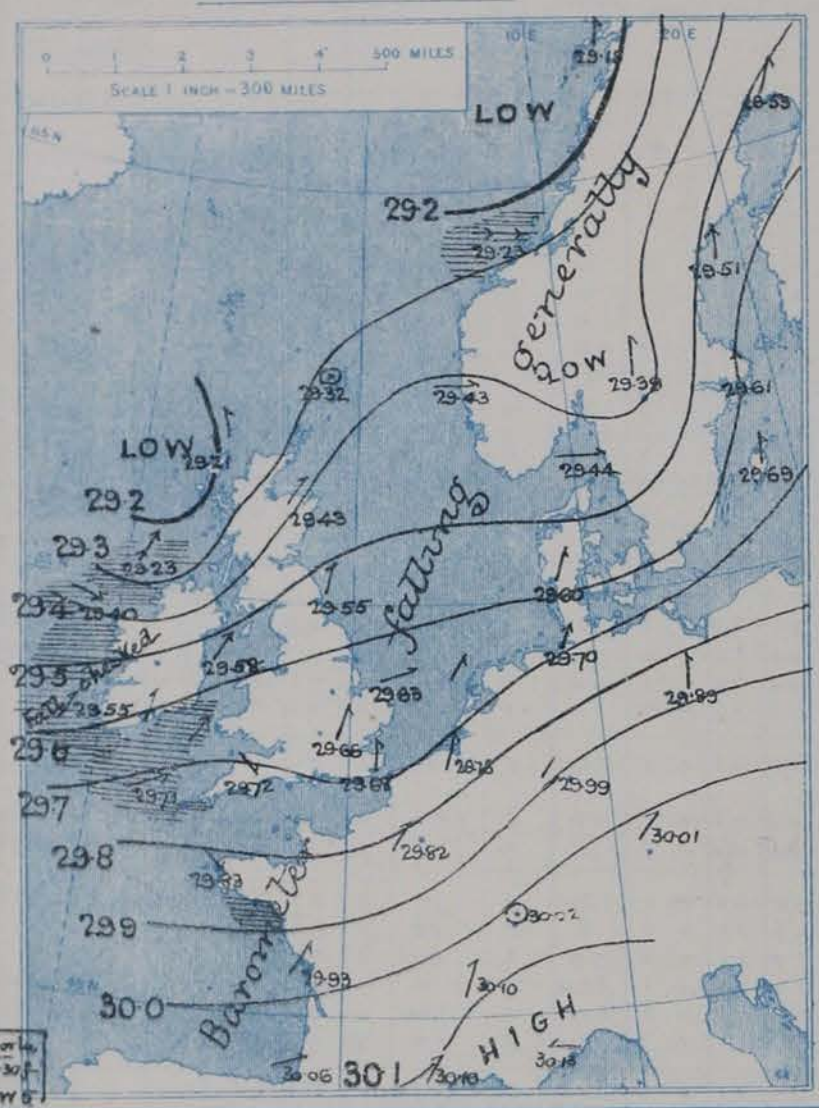
† *Observations received too late for insertion in Charts on next page.*

# WEATHER CHARTS

## FOR TUESDAY, 12TH JANUARY, 1904.

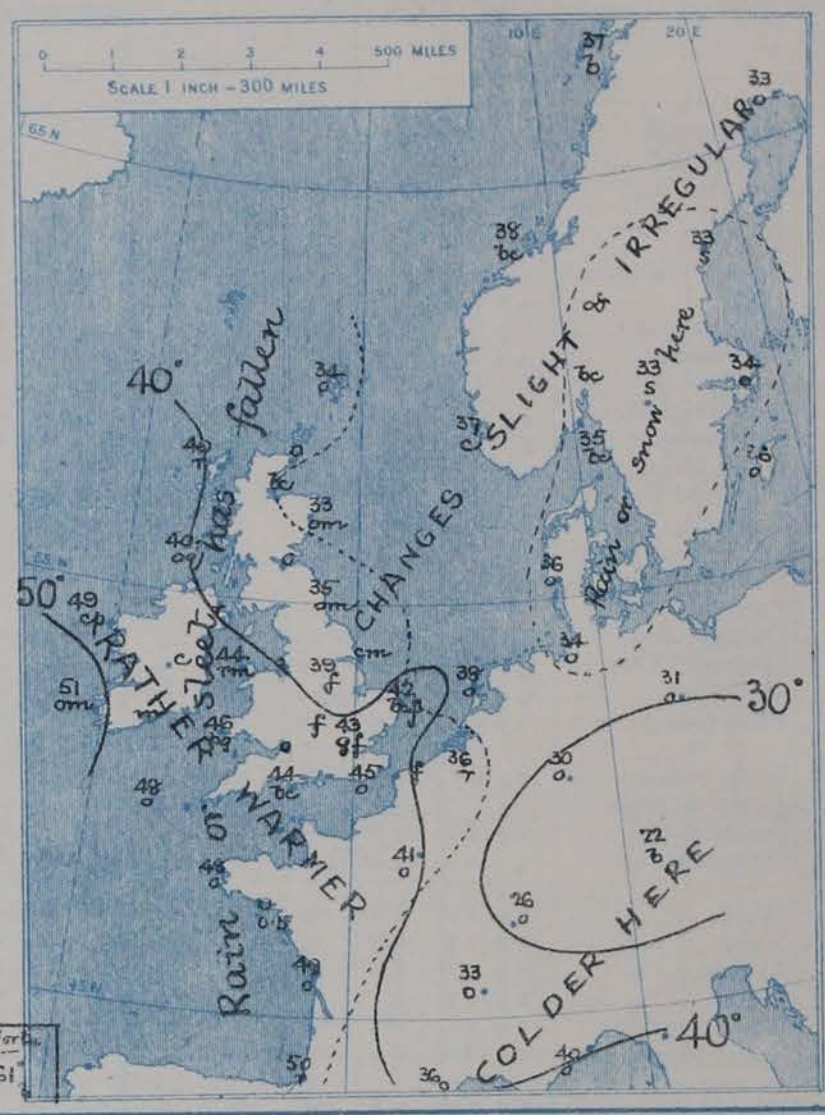
### I. BAROMETER, WIND AND SEA. *This Morning.*

*BAROMETER.—Isobars are drawn for each tenth of an inch.*
*WIND.—Arrows show Directions and Force, flying with the wind.*
*Force above 10* — *Force 8 to 10* — *Force 5 to 7* — *Force 1 to 4* — Calm
*SEA.—Rough* — *High*



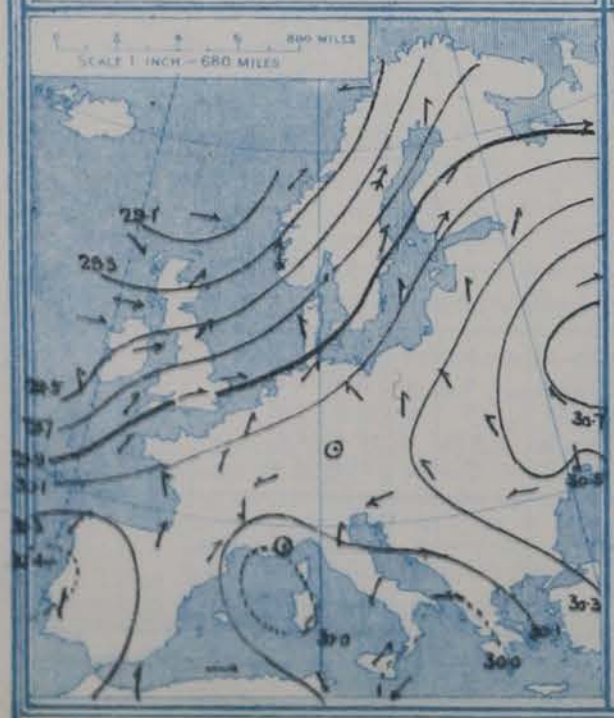

### II. TEMPERATURE AND WEATHER. *This Morning.*

*TEMPERATURE.—Isotherms are drawn for each 10°.*
*WEATHER.—Shown by Letters of the Beaufort Scale.* *(See P. 4.)*
*RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus - 0·6*




### III. BAROMETER AND WIND

*Yesterday morning.*

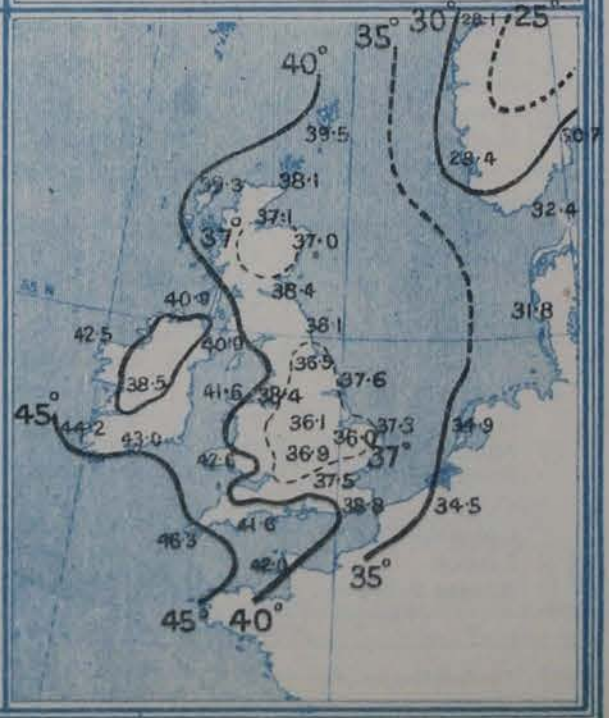



### IV. GREATEST AND LEAST MONTHLY RAINFALL IN JANUARY

*During the 33 Years 1871–1903.*
*Specimen (for London)* { *Greatest Rainfall* 4·69 (in 1877); *Least ... Do.* 0·37 (in 1880)

### V. *Means of* DAILY TEMPERATURE

*at 8 A.M. for the monthly period*
JANUARY (1871–1900.)



# GENERAL SITUATION AT 8 A.M.

**PRESSURE**

The depression which was approaching Ireland yesterday morning appears to have since dispersed over our southern districts and the north of France. Pressure now ranges from 30·3 ins. in the Azores and 30·1 ins. in the south of France to 29·2 ins. and less in a depression having its centre off the northwest coast of Norway and also in another disturbance which has reached a position off the west of Scotland. Over the south of Scandinavia there is a secondary disturbance in which the barometer is below 29·4 ins.

**WIND TEMPERATURE WEATHER AND SEA**

The general direction of the wind is S.Wly. over the whole of northwestern Europe and its force light or moderate; at Blackrod Point, however, it blows strongly from W.N.W., while at Malin Head there is a S.Wly. gale. Over Sweden the wind draws into S. and is strong, while at Christiansund there is a fresh gale from W. Temperature is a few degrees above the normal over the major portion of our area, but in the northeast of Great Britain, the east of France, and the greater part of Germany the readings are rather low. At Valencia the thermometer stands at 51°, and at Biarritz 50°, whence the readings decrease to 35° at Wick and Shields, 33° at Aberdeen and at most Swedish stations to 30° at Frankfort, 26° at Belfort, and to 22° at Munich. The sky is overcast or cloudy in almost all regions; much mist or fog prevails over our Islands, showers or steady rain on our western and northwestern coasts, as well as at Brussels and Biarritz, and snow at Karlstad and Skeroösund. The sea is rather rough on several parts of our western and southwestern coasts and also at Christiansund.

The maximum temperatures recorded over our Islands yesterday were below 40° on our extreme northeastern coasts, but above 45° over the country generally. Rain has fallen at nearly all our own stations and in the west and north of France, and rain or snow in Sweden and Denmark. Four hours of bright sunshine were registered yesterday at Aberdeen, 3·8 hrs. at Valencia, and 3·3 hours at Clacton; elsewhere there was very little or none.

ERRATUM:- In the third line of the "GENERAL SITUATION" in yesterday's report for "S.Wly." read "N.E.ly."

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are still no indications of any decided change in the type of weather now prevalent. The new disturbance off the west of Scotland seems likely to travel E^ds. or N.E^ds., and its passage to be accompanied by an increase in the force of the winds in the northwest and west, and by some rain very generally.

# FORECASTS*

*For the 24 hours ending at NOON on 13th JANUARY, 1904*

| DISTRICTS. | FORECASTS. |
|---|---|
| 0 SCOTLAND NORTH | Sly. to Wly. winds, fresh or strong to moderate; changeable, rain at times. |
| 1 SCOTLAND EAST<br>2 ENGLAND N.E. | Sly. to Wly. winds, moderate or fresh; cloudy or dull, rain at times. Rather mild. |
| 3 ENGLAND EAST<br>4 MIDLAND COUNTIES<br>5 ENGLAND SOUTH | SWly. to Wly. winds, light or moderate; dull, misty, rain at times; improving later. Rather mild. |
| 6 SCOTLAND WEST | Same as No. 0. |
| 7 ENGLAND N.W.<br>8 ENGLAND S.W<br>9 IRELAND NORTH<br>10 IRELAND SOUTH | Moderate to fresh or strong winds from between S.W. and W; rather mild, changeable, rain at times, hail locally. |
| WARNINGS | None issued. |

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

# REPORTS FOR YESTERDAY.

| STATIONS. | Temperature F. Max. | Temperature F. Min. | Weather. | Sunshine. Hrs. | Rainfall. Ins. | STATIONS. | Temperature F. Max. | Temperature F. Min. | Weather. | Sunshine. Hrs. | Rainfall. Ins. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Blackpool, to 9 p.m. ... ... | 44 | 40 | og, or, c | 0·0 | 0·32 | Hastings ... ... ... ... | * | * | * | 0·0 | * |
| Southport, to 9 p.m. ... ... | 43 | 40 | o, op | 0·0 | 0·28 | Broadstairs... ... ... ... | * | * | * | 0·0 | * |
| Rhyl, ... ... ... ... ... | * | * | * | 1·0 | * | Margate ... ... ... ... | 44 | * | * | 0·0 | * |
| Llandudno ... ... ... ... | * | * | * | 0·0 | * | Lowestoft, to 6 p.m. ... ... | 43 | 32 | o, bc, or | 0·0 | 0·01 |
| Bettws-y-Coed, to 6 p.m. ... | 43 | 39 | or, b | 0·0 | * | Skegness ... ... ... ... | * | * | * | 0·0 | * |
| Aberystwyth, to 6 p.m. ... | 46 | 42 | or | 0·0 | 0·06 | Scarborough, to 6 p.m. ... | 43 | * | * | 0·0 | * |
| Plymouth, to 9 p.m. ... ... | | | | | | Harrogate, to 6 p.m. ... | 47 | 36 | or, c, r | 0·0 | 0·08 |
| Bournemouth to 6 p.m. ... | | | | | | Manchester, to 9 p.m. ... | 43 | 34 | or, d | 0·0 | 0·07 |
| Worthing ... ... ... ... | * | * | * | 0·0 | * | Darwen, to 9 p.m. ... ... | 40 | 34 | c, om, r | 0·0 | 0·41 |
| Brighton ... ... ... ... | 47 | * | * | 0·0 | * | Birmingham, to 9 p.m. ... | 42 | 34 | o, d, r | 0·0 | 0·04 |
| Eastbourne, to 6 p.m. ... | 46 | * | * | 0·5 | * | | | | | | |

## TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

| STATIONS. 11th Jany 1904 | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. | STATIONS. | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|---|---|---|---|---|
| Copenhagen ... ... ... | 36 | 34 | o, o | — | Algiers ... ... ... ... | 55 | 46 | o, c | 0·12 |
| Utrecht... ... ... ... ... | 41 | 34 | o, f | 0·04 | Tunis ... ... ... ... | 59 | 41 | f, o | 0·51 |
| Groningen ... ... ... ... | 39 | 32 | c, f | — | Madeira (Funchal) Not recd. | | | | |
| Vienna ... ... ... ... ... | 32 | 25 | o, o | — | 10th Jany. Not received. | 1 p.m. | * | 1 p.m. | Measured 7 a.m. |
| Marseilles ... ... ... ... | 48 | 41 | o, r | 1·18 | Geneva ... ... ... ... | | * | | |
| Florence ... ... ... ... | 54 | 34 | b, b | — | Berne ... ... ... ... | | * | | |
| Rome ... ... ... ... ... | 55 | 40 | b, o | — | Coire ... ... ... ... | | * | | |
| Naples ... ... ... ... ... | 55 | 44 | b, c | — | Castasegna ... ... ... | | * | | |
| Palermo ... ... ... ... | 61 | 44 | c, c | — | Lugano ... ... ... ... | | * | | |
| Malta ... ... ... ... ... | 57 | 52 | ?, o | 0·24 | Davos ... ... ... ... | | * | | |

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

| COUNTRIES, &c. | Hours of Morning Observations by Local Standard Time. | Corresponding Greenwich Times. | Hours of Evening Observations by Local Standard. | Corresponding Greenwich Times. |
|---|---|---|---|---|
| British Isles, Belgium† ... | 8 a.m. (West European) | 8 a.m. | 6 p.m.‡ (W.E.T.) | 6 p.m.‡ |
| Holland ... ... ... ... ... | 8 a.m. ( ,, ,, ) | 8 a.m. | 7 p.m. (W.E.T.) | 7 p.m. |
| Germany, Denmark, Norway, Sweden | 8 a.m. (Mid-European) | 7 a.m. | 8 p.m. (M.E.T.) | 7 p.m. |
| France ... ... ... ... ... | 7 a.m. (Paris) ... ... | 6.51 a.m. | 6 p.m. (Paris) | 5.51 p.m. |
| Spain ... ... ... ... ... | 8 a.m. (West European) | 8 a.m. | 6 p.m. (W.E.T.) | 6 p.m. |
| Portugal ... ... ... ... ... | 8 a.m. (Lisbon) ... ... | 8.36 a.m. | 3.23 p.m. (Lisbon) | 4 p.m. |
| Azores { Ponta Delgada ... ... | 6 a.m. (Local) ... ... | 7.43 a.m. | 9 p.m. (Local) | 10.43 p.m. |
| Azores { Horta ... ... ... | 6 a.m. (Local) ... ... | 7.55 a.m. | 9 p.m. (Local) | 10.55 p.m. |

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

| 12th Jany 1904 | Sunrise G.M.T. | Noon G.M.T. | Sunset G.M.T. |
|---|---|---|---|
| Yarmouth ... ... ... | 8.2 | 12.1 | 4.1 |
| Greenwich ... ... ... | 8.3 | 12.8 | 4.13 |
| Wick ... ... ... ... | 8.56 | 12.20 | 3.44 |
| Valencia ... ... ... | 8.47 | 12.49 | 4.52 |

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FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1. ‡ At Oxford the observations are taken at 8 p.m.

# DAILY WEATHER REPORT

*for 8 a.m. on Wednesday, 13th January,* **1904.**

*Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London.* **W. N. SHAW,** *Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins. | Temp. Dry Bulb. ° | Wind. Direc. | Wind. Force (0 to 12.) | Weather | THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M. S. L. Ins. | Barometer. Change since Yesterday. Ins. | Temperature. Dry Bulb. ° | Temperature. Wet Bulb. ° | Temperature. Change since Yesterday. ° | Wind. Direc. | Wind. Force (0 to 12.) | Weather. | Sea (0 to 9.) | PAST 24 HOURS. Temp. Max. ° | Temp. Min. ° | Weather | Sunshine Hours. | Rainfall. Ins. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SCANDINAVIA | Haparanda... ... | 29.45 | 32 | SSW | 2 | o | 29.45 | -.08 | 25 | ? | -8 | SW | 2 | * | * | 34 | 25 | – | * | 0.12 |
| | Hernösand... ... | 29.35 | 33 | ✕ | o | s | 29.31 | -.20 | 23 | 22 | -10 | ✕ | o | b | * | 36 | 23 | – | * | 0.12 |
| | Stockholm ... ... | 29.36 | 33 | SW | 2 | r | 29.41 | -.20 | 33 | 32 | -1 | SSW | 2 | o | * | 34 | 30 | – | * | 0.20 |
| | Wisby... ... ... | 29.57 | 35 | S | 2 | o | 29.47 | -.22 | 35 | 34 | -1 | E | 2 | s | * | 37 | 32 | – | * | 0.16 |
| | Karlstad ... ... | 29.44 | 31 | ✕ | o | o | 29.31 | -.08 | 34 | 34 | +1 | S | 2 | o | * | * | * | s,o | * | 0.08 |
| | Færder (X'iania Fjord) | 29.41 | 34 | WSW | 4 | o | 29.19 | -.19 | 39 | 39 | +5 | WSW | 2 | f | 2 | 39 | 32 | – | * | – |
| | Bodö ... ... ... | 29.24 | 35 | SE | 2 | c | 29.23 | +.04 | 30 | 27 | -7 | E | 5 | b | 2 | 37 | 28 | – | * | – |
| | Christiansund ... | 29.24 | 36 | ESE | 2 | b | 29.04 | -.19 | 35 | 30 | -3 | ESE | 3 | o | 5 | 39 | 34 | – | * | – |
| | Skudesnaes ... | 29.29 | 37 | SSW | 4 | o | 29.07 | -.36 | 40 | 39 | +3 | S | 4 | o | 5 | 40 | 34 | o | * | * |
| BRITISH ISLANDS | Sumburgh Head | 29.00 | 37 | SE | 4 | r | 28.82 | -.50 | 40 | 39 | +6 | ✕ | o | o | 5 | ?40 | 34 | r | * | 0.58 |
| | Stornoway ... ... | 29.06 | 42 | W | 3 | o | 28.76 | -.45 | 44 | 42 | +4 | SSW | 3 | o | 3 | 44 | 38 | og,o | 0.0 | 0.31 |
| | Malin Head ... | 29.24 | 45 | SW | 6 | opm | 28.76 | -.47 | 45 | 43 | +5 | S | 5 | c | 3 | ?47 | 39 | c,opm,r | * | 0.61 |
| | Blacksod Pt. ... | 29.25 | 47 | SW | 4 | rm | 28.72 | -.68 | 44 | 43 | -5 | SE | 5 | cp | 4 | 49 | 43 | om,o | * | 0.52 |
| | Valencia ... ... | 29.36 | 51 | S | 4 | rm | 29.01 | -.54 | 48 | 46 | -3 | SW | 8 | og | 6 | 53 | 47 | o,rm | 0.0 | 0.48 |
| | Roche's Point ... | 29.44 | 49 | SSW | 1 | f | 29.08 | -.52 | 50 | 48 | +2 | WSW | 6 | b | 5 | 51 | 47 | rm,f | * | 0.19 |
| | Parsonstown ... | 29.41 | 48 | SE | 1 | o | 28.93 | -.58 | 49 | 46 | +5 | W | 8 | og | * | 51 | 43 | og,r | 0.0 | 0.21 |
| | Donaghadee ... | 29.36 | 45 | SW | 2 | o | 28.91 | -.58 | 47 | 45 | +9 | SW | 2 | o | 2 | 49 | 32 | – | * | 0.24 |
| | Liverpool Obsy... | 29.44 | 46 | SW | 1 | o | 29.05 | -.56 | 48 | 46 | +8 | SW | 3 | o | 3 | 49 | 39 | r,o,r | * | 0.31 |
| | Holyhead ... ... | 29.41 | 47 | SW | 3 | ogm | 28.99 | -.59 | 48 | 48 | +4 | SW | 5 | df | 4 | 49 | 43 | odgm | * | 0.65 |
| | Pembroke (St Ann's) | 29.50 | 49 | SSW | 4 | r | 29.16 | -.49 | 50 | 49 | +4 | SW | 8 | ogp | 7 | 51 | 46 | gfr | 0.0 | 0.42 |
| | Scilly (St. Mary's) ... | 29.63 | 52 | SSW | 4 | f | 29.36 | -.37 | 53 | 52 | +5 | SSW | 6 | c | 5 | 53 | 46 | r,f | 0.0 | 0.20 |
| | Jersey (St. Aubins) ... | | | | | | | | | | | | | | | | | | | |
| | Portland Bill ... | 29.64 | 48 | SW | 5 | rd | 29.33 | -.39 | 49 | 49 | +5 | WSW | 7 | r | 5 | 50 | 43 | c,pg | * | 0.23 |
| | Dungeness ... ... | 29.67 | 46 | W | 3 | o | 29.40 | -.28 | 50 | 49 | +5 | WSW | 7 | rg | 5 | 50 | 44 | o,og | 0.0 | 0.12 |
| | Wick ... ... ... | 29.18 | 38 | S | 3 | o | 28.79 | -.49 | 40 | 39 | +5 | W | 2 | o | 2 | 40 | 33 | – | * | 0.05 |
| | Nairn ... ... ... | 29.12 | 40 | W | 2 | bc | 28.79 | -.54 | 38 | 37 | +2 | ✕ | o | o | 1 | 42 | 34 | – | * | 0.06 |
| | Aberdeen ... ... | 29.17 | 40 | WSW | 1 | b | 28.87 | -.56 | 39 | 38 | +6 | SSW | 3 | cm | 2 | 41 | 32 | cp,b | 0.0 | 0.02 |
| | Leith ... ... ... | 29.27 | 45 | SSW | 2 | o | 28.85 | -.59 | 40 | 40 | +1 | SE | 1 | r | * | 46 | 36 | o,r | * | 0.34 |
| | North Shields ... | 29.35 | 44 | SSW | 2 | cm | 28.91 | -.64 | 48 | 48 | +13 | SW | 2 | op | 2 | 48 | 35 | om,cm,r | * | 0.57 |
| | Spurn Head .. | 29.46 | 42 | SSW | 4 | o | 29.03 | -.57 | 49 | 47 | +10 | WSW | 5 | c | 3 | 50 | 37 | o,r | * | 0.21 |
| | Yarmouth ... ... | 29.57 | 43 | SW | 3 | cf | 29.17 | -.46 | 52 | 50 | +10 | SW | 5 | c | 4 | 52 | 40 | bo,cf | * | 0.12 |
| | Clacton-on-Sea ... | 29.63 | 42 | SSW | 3 | r | 29.27 | -.40 | 42 | 42 | +2 | SW | 6 | o | 5 | 43 | 40 | fd,c,r | 0.0 | 0.23 |
| | Nottingham ... | 29.51 | 45 | WSW | 1 | o | 29.09 | -.54 | 51 | 48 | +12 | WSW | 3 | r | * | 53 | 38 | o | 0.0 | 0.23 |
| | Bath ... ... ... | 29.59 | 49 | SW | 2 | o | ?29.24 | -.44 | 52 | 51 | +8 | W | 6 | r | * | 53 | 43 | – | 0.0 | 0.30 |
| | Oxford ... ... | 29.52 | 48 | S | 2 | r | 29.25 | -.42 | 51 | 50 | +10 | SSW | 4 | rg | * | 52 | 41 | opd | * | 0.06 |
| | London (Brixton) ... | 29.62 | 45 | SW | 2 | or | 29.29 | -.37 | 52 | 50 | +9 | WSW | 6 | org | * | 53 | 43 | od,rg | 0.0 | 0.26 |
| GERMANY, &c. | The Scaw (Skagen) | 29.46 | 38 | W | 3 | o | 29.26 | -.18 | 39 | 39 | +4 | SW | 4 | r | 1 | 39 | 34 | – | * | 0.04 |
| | Fanö ... ... ... | 29.51 | 37 | SSW | 4 | o | 29.25 | -.35 | 37 | 37 | +1 | SE | 4 | r | * | 37 | 36 | – | * | 0.08 |
| | Cuxhaven ... ... | 29.67 | 35 | SW | 4 | o | 29.32 | -.38 | 40 | 39 | +6 | S | 5 | pd | * | 40 | 34 | – | * | 0.20 |
| | The Helder ... | 29.58 | 38 | SSW | 3 | f | 29.18 | -.50 | 44 | 44 | +6 | SW | 6 | o | 3 | 45 | 36 | – | * | 0.32 |
| | Brussels ... ... | * | * | * | * | * | 29.50 | -.26 | 49 | 48 | +13 | SW | 6 | o | * | 49 | 36 | – | * | 0.28 |
| | Berlin ... ... ... | 29.78 | 36 | SSW | 3 | o | 29.59 | -.30 | 39 | 38 | +8 | SSW | 2 | r | * | 39 | 31 | – | * | – |
| | Frankfürt ... ... | 29.87 | 38 | SW | 2 | r | 29.67 | -.32 | 43 | 42 | +13 | S | 3 | r | * | 43 | 30 | – | * | 0.43 |
| | Munich ... ... | 29.98 | 36 | SW | 4 | o | 29.87 | -.14 | 37 | 35 | +15 | S | 2 | c | * | 37 | 21 | – | * | – |
| FRANCE. | C. Gris Nez ... | 29.68 | 44 | SW | 5 | o | 29.39 | -.32 | 48 | 47 | +8 | SW | 7 | r | 7 | 48 | 40 | – | * | 0.35 |
| | Brest ... ... ... | 29.80 | 51 | W | 4 | o | 29.62 | -.21 | 51 | 51 | +3 | WSW | 5 | r | 5 | 52 | 48 | – | * | 0.04 |
| | Lorient ... ... | 29.86 | 49 | W | 4 | m | 29.74 | -.09 | 51 | 50 | +2 | WSW | 6 | o | 5 | 54 | 46 | – | * | 0.16 |
| | Rochefort ... ... | 29.97 | 52 | SW | 3 | r | ?29.94 | +.01 | 52 | 51 | +3 | SSW | 4 | o | * | 52 | 46 | r | * | 0.16 |
| | Biarritz ... ... | 30.13 | 53 | WSW | 4 | f | 30.14 | +.08 | 53 | 50 | +3 | S | 4 | bc | 4 | 54 | 50 | – | * | 0.28 |
| | Paris ... ... ... | 29.86 | 45 | SSW | 3 | o | 29.71 | -.11 | 51 | 50 | +10 | WSW | 4 | o | * | 51 | 41 | – | * | 0.08 |
| | Belfort... ... ... | 29.97 | 41 | WSW | 6 | o | 29.88 | -.14 | 42 | 41 | +16 | WSW | 6 | r | * | 42 | 26 | – | * | 0.08 |
| | Lyons ... ... ... | 30.08 | 44 | S | 2 | bc | 30.09 | -.01 | 43 | 42 | +10 | S | 2 | o | * | 48 | 33 | – | * | 0.16 |
| | Nice ... ... ... | 30.14 | 44 | ✕ | o | o | 30.14 | +.01 | 40 | 38 | 0 | ✕ | o | bc | o | 50 | 39 | – | * | – |
| | Perpignan ... ... | 30.16 | 44 | ✕ | o | bc | 30.17 | +.07 | 43 | 42 | +7 | NW | 1 | o | * | 50 | ?32 | – | * | 0.04 |
| SPAN. PEN. | Corunna ... ... | | | | | | | | | | | | | | | | | | * | |
| | Lisbon † ... ... | 30.37 | 54 | W | 2 | o | 30.36 | +.05 | 52 | 51 | -4 | SW | 2 | f | * | 59 | 52 | – | * | – |
| | Azores (P. Delgada)... | 30.31 | 61 | SW | 4 | o | 30.23 | -.15 | 61 | 57 | +1 | WSW | 4 | bc | 4 | 64 | 60 | – | * | – |
| | ,, (Horta) ... | 30.23 | 63 | SW | 4 | o | 30.21 | -.09 | 60 | 59 | -1 | SW | 4 | r | 2 | 64 | 59 | – | * | 0.08 |

**NOTE:** *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

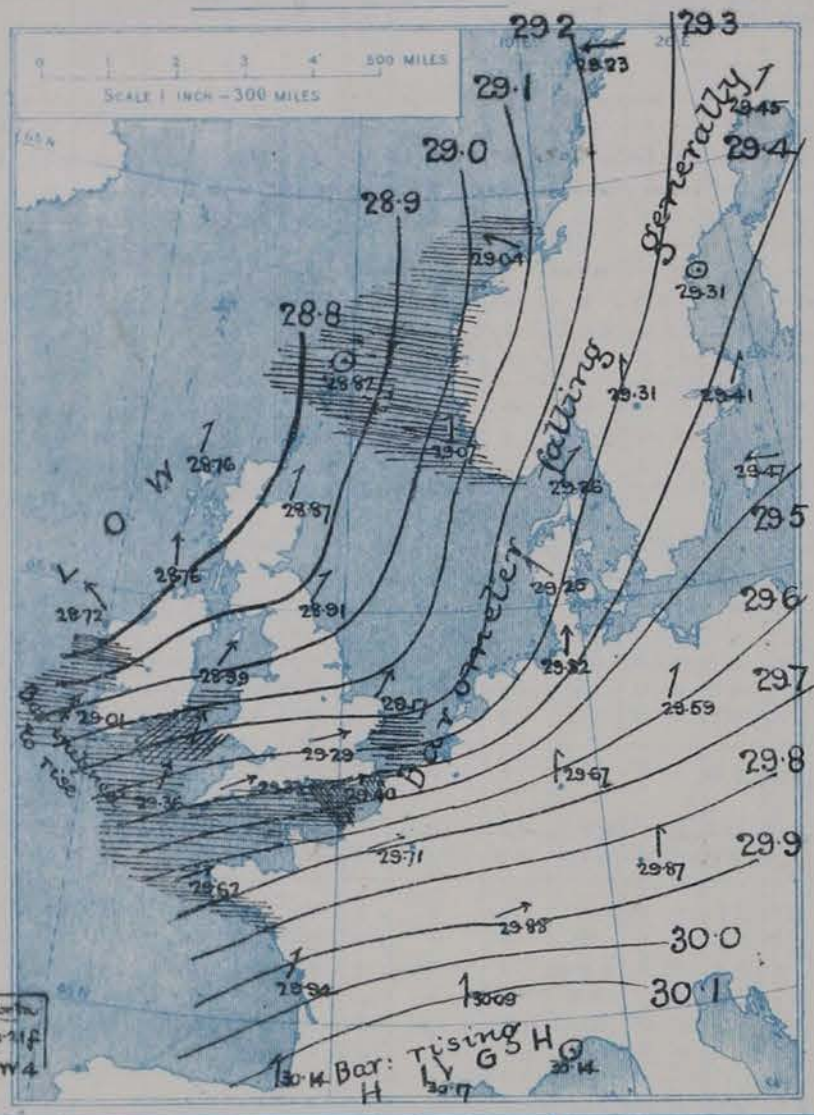
† *Observations received too late for insertion in Charts on next page.*

# WEATHER CHARTS

FOR WEDNESDAY, 13TH JANUARY, 1904.

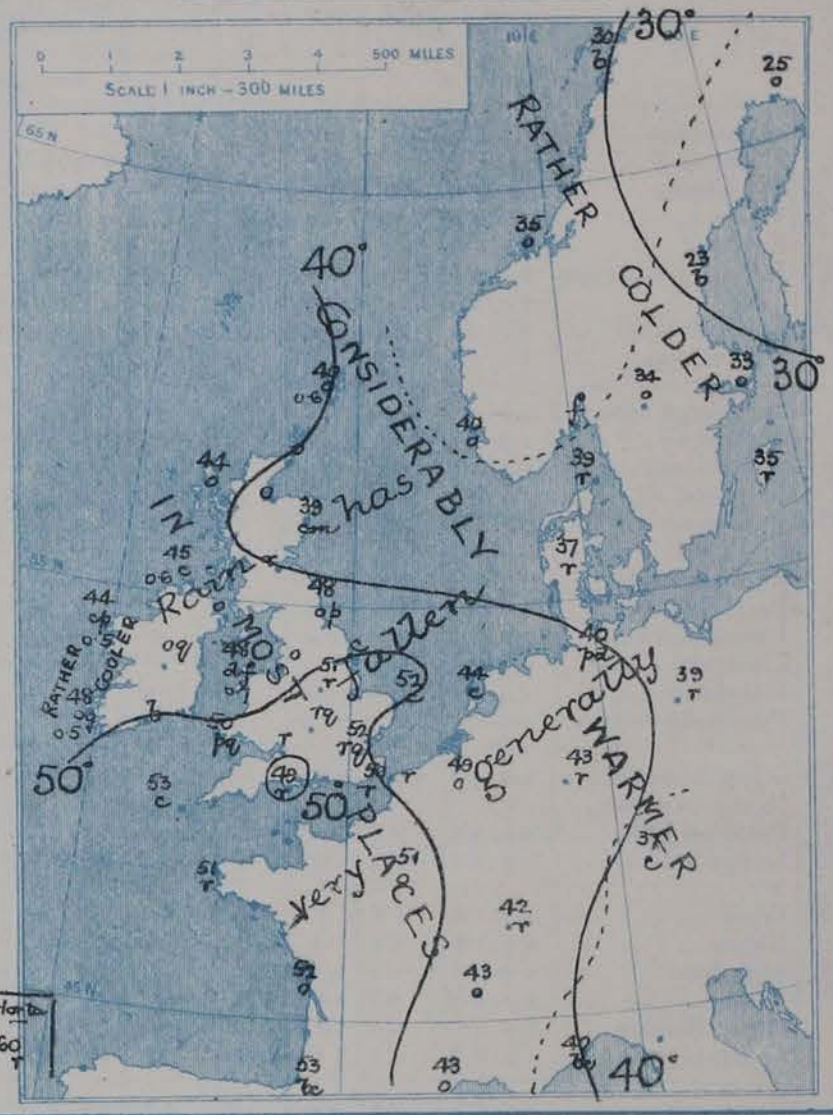
## I. BAROMETER, WIND AND SEA. *This Morning.*

*BAROMETER.—Isobars are drawn for each tenth of an inch.*
*WIND.—Arrows show Directions and Force, flying with the wind.*
*Force above 10* ; *Force 8 to 10* ; *Force 5 to 7* ; *Force 1 to 4* ; Calm
*SEA.—Rough* *High*



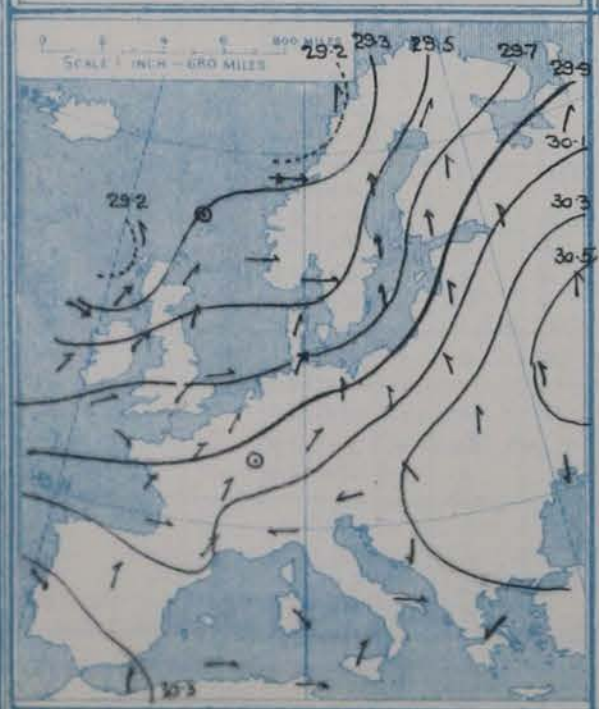

## II. TEMPERATURE AND WEATHER. *This Morning.*

*TEMPERATURE.—Isotherms are drawn for each 10°.*
*WEATHER.—Shown by Letters of the Beaufort Scale.* *(See P. 4.)*
*RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus - 0·6*




## III. BAROMETER AND WIND

*Yesterday morning.*



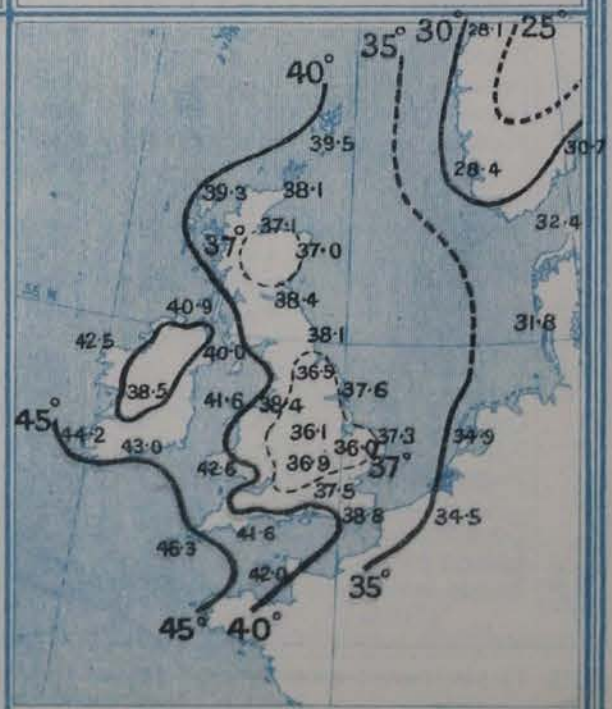

## IV. RAINFALL IN 1904.

Total amount recorded in various districts of the United Kingdom in the week ending Saturday 9TH Jan:, with the percentage of the average amount.

## V. *Means of* DAILY TEMPERATURE

*at 8 A.M. for the monthly period*

JANUARY (1871–1900.)



# GENERAL SITUATION AT 8 A.M.

**PRESSURE**

Since last evening another large cyclonic disturbance has arrived from the Atlantic, its centre, where the barometer stands at about 28·7 ins., lying at present off our northwestern coasts. The highest readings, above 30·2 ins., are reported from the Azores, but the barometer is above 30·1 ins. over the south of France. Gradients are steep over all our southern districts, the Channel, the north of France, and the Netherlands, slight or moderate over Scotland and Scandinavia. The mercury is still falling generally, but at Valencia the fall has become checked, and at Scilly it has ceased.

**WIND**

The S.Wly. winds reported over Ireland, England and the adjacent portion of the Continent are fresh or strong generally, and in some places blow a gale. In Scotland the wind is somewhat variable in direction and has but little force, while to the eastward and north-eastward of the North Sea moderate breezes from between S. and S.E. are prevalent.

**TEMPERATURE**

Temperature has risen quickly over the greater part of our area, but has fallen on the west coast of Ireland and at most Scandinavian stations. It is now much above the mean over England, the readings at the most southern and central stations being 50° or a little higher. The lowest values in our Islands are 38° or 39° on the northeast coast of Scotland. On the Continent the readings range from 53° at Biarritz and 51° at Paris to 37° at Munich, 33° at Stockholm, and to 23° at Hernösand. At Nice the thermometer is no higher than 40°.

**WEATHER AND SEA**

Dull rainy weather is very prevalent both at our own and the Continental stations, while in Gothland snow is falling. The sea is rough or rather so on most parts of our coasts and also on the west coast of Norway; at Pembroke it is high.

During yesterday or in the night the thermometer registered maximum readings of 50° or two or three degrees higher in nearly all parts of Ireland and the greater part of England. Rain has fallen very generally during the past 24 hours — more than half an inch has been measured at several of our western stations and also at North Shields — and no bright sunshine has been experienced.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The large cyclonic disturbance which now has its centre off our northwestern coasts is likely to move away towards Scandinavia and to be followed by some secondary systems. Mild, unsettled weather, with rain at times and S.Wly. to Wly. winds of varying strength, will probably continue for the present.

# FORECASTS*

*For the 24 hours ending at NOON on* 14th JANUARY, 1904

| DISTRICTS. | FORECASTS. |
|---|---|
| 0 SCOTLAND NORTH | Sly. and S.Wly. to Wly. winds, varying in force; very unsettled, rain at times, — most in west. |
| 1 SCOTLAND EAST | |
| 2 ENGLAND N.E. | Wind chiefly S.Wly. to Wly. strong to moderate; mild, humid, rain at times. |
| 3 ENGLAND EAST | |
| 4 MIDLAND COUNTIES | |
| 5 ENGLAND SOUTH | |
| 6 SCOTLAND WEST | Sly. to S.Wly. or Wly. winds, strong, moderating later; changeable, rain at times. Mild, then cooler. |
| 7 ENGLAND N.W. | |
| 8 ENGLAND S.W | |
| 9 IRELAND NORTH | |
| 10 IRELAND SOUTH | |
| WARNINGS | At 7.0 pm. yesterday to District 10 and part of 9, "HOIST SOUTH CONE". |

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

# REPORTS FOR YESTERDAY.

| STATIONS. | Temperature F. Max. | Temperature F. Min. | Weather. | Sunshine. Hrs. | Rainfall. Ins. |
|---|---|---|---|---|---|
| Blackpool, to 9 p.m. ... ... | 46 | 37 | o r m, c | 0·0 | 0·09 |
| Southport, to 9 p.m. ... ... | 46 | 38 | o p, o | 0·0 | 0·06 |
| Rhyl, ... ... ... ... ... ... | * | * | * | 0·0 | * |
| Llandudno ... ... ... ... | * | * | * | 0·0 | * |
| Bettws-y-Coed, to 6 p.m. ... | 48 | 37 | o r, o, o | 0·0 | * |
| Aberystwyth, to 6 p.m. ... | 46 | 42 | o | 0·0 | 0·06 |
| Plymouth, to 9 p.m. ... ... | 51 | 44 | o, o r g | 0·0 | 0·11 |
| Bournemouth to 6 p.m. ... | | | | | |
| Worthing ... ... ... ... | * | * | * | 0·0 | * |
| Brighton ... ... ... ... | 47 | * | * | 0·0 | * |
| Eastbourne, to 6 p.m. ... | 47 | * | * | 0·0 | * |
| Hastings ... ... ... ... | * | * | * | 0·0 | * |
| Broadstairs ... ... ... ... | * | * | o r | 0·0 | * |
| Margate ... ... ... ... | 48 | * | * | 0·0 | * |
| Lowestoft, to 6 p.m. ... ... | 44 | 39 | o m, o | 0·0 | — |
| Skegness ... ... ... ... | * | * | * | 0·0 | * |
| Scarborough, to 6 p.m. ... | 42 | * | * | 0·0 | * |
| Harrogate, to 6 p.m. ... | 44 | 34 | o d, c | 0·0 | 0·14 |
| Manchester, to 9 p.m. ... | 48 | 37 | o r u | 0·0 | 0·09 |
| Darwen, to 9 p.m. ... .. | 43 | 35 | o r, d, o m | 0·0 | 0·22 |
| Birmingham, to 9 p.m. ... | 45 | 39 | o, r, o | 0·0 | 0·08 |

## TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

| STATIONS. 12th Jany, 1904 | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|
| Copenhagen ... ... ... | 36 | 34 | o, f | 0·12 |
| Utrecht ... ... ... ... ... | 36 | 34 | o, f | — |
| Groningen ... ... ... ... | 36 | 32 | o, m | 0·04 |
| Vienna ... ... ... ... ... | 28 | 18 | o, f | — |
| Marseilles ... ... ... ... | 50 | 39 | o, o | 0·16 |
| Florence ... ... ... ... | 49 | 35 | b, o | — |
| Rome ... ... ... ... ... | 55 | 41 | b, o | — |
| Naples ... ... ... ... ... | 53 | 42 | b, o | — |
| Palermo ... ... ... ... | 61 | 40 | b, bc | — |
| Malta ... ... ... ... ... | 58 | 50 | ?, o | — |
| Algiers ... ... ... ... | 59 | 46 | o, o | 0·08 |
| Tunis ... ... ... ... | 57 | 37 | bc, o | — |
| Madeira (Funchal) Not recd. | | | | |
| 11th January. | 1 p.m. | * | 1 p.m. | Measured 7 a.m. |
| Geneva ... ... ... ... | 34 | * | m | — |
| Berne ... ... ... ... | 30 | * | o | — |
| Coire ... ... ... ... | 36 | * | o | — |
| Castasegna ... ... ... | 37 | * | o | 0·01 |
| Lugano ... ... ... ... | 41 | * | o | 0·16 |
| Davos ... ... .. ... | 28 | * | b | — |

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

| COUNTRIES, &c. | Hours of Morning Observations by Local Standard Time. | Corresponding Greenwich Times. | Hours of Evening Observations by Local Standard. | Corresponding Greenwich Times. |
|---|---|---|---|---|
| British Isles, Belgium† ... | 8 a.m. (West European) | 8 a.m. | 6 p.m.‡ (W.E.T.) | 6 p.m.‡ |
| Holland ... ... ... ... ... | 8 a.m. ( „ „ ) | 8 a.m. | 7 p.m. (W.E.T.) | 7 p.m. |
| Germany, Denmark, Norway, Sweden | 8 a.m. (Mid-European) | 7 a.m. | 8 p.m. (M.E.T.) | 7 p.m. |
| France ... ... ... ... ... | 7 a.m. (Paris) ... ... | 6.51 a.m. | 6 p.m. (Paris) | 5.51 p.m. |
| Spain ... ... ... ... ... | 8 a.m. (West European) | 8 a.m. | 6 p.m. (W.E.T.) | 6 p.m. |
| Portugal ... ... ... ... ... | 8 a.m. (Lisbon) ... ... | 8.36 a.m. | 3.23 p.m. (Lisbon) | 4 p.m. |
| Azores { Ponta Delgada ... ... | 6 a.m. (Local) ... ... | 7.43 a.m. | 9 p.m. (Local) | 10.43 p.m. |
| Azores { Horta ... ... ... | 6 a.m. (Local) ... ... | 7.55 a.m. | 9 p.m. (Local) | 10.55 p.m. |

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

| 13th Jany, 1904 | Sunrise G.M.T. | Noon G.M.T. | Sunset G.M.T. |
|---|---|---|---|
| Yarmouth ... ... ... | 8.1 | 12.2 | 4.3 |
| Greenwich ... ... ... | 8.3 | 12.9 | 4.15 |
| Wick ... ... ... ... | 8.55 | 12.21 | 3.46 |
| Valencia ... ... ... | 8.46 | 12.50 | 4.54 |

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† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

# DAILY WEATHER REPORT

*for 8 a.m. on* Thursday, 14th January, **1904.**

*Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London.* **W. N. SHAW,** *Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins. | Temp. Dry Bulb. ° | Wind. Direc. | Wind. Force (0 to 12.) | Weather | THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M. S. L. Ins. | Barometer. Change since Yesterday. Ins. | Temperature. Dry Bulb. ° | Temperature. Wet Bulb. ° | Temperature. Change since Yesterday. ° | Wind. Direc. | Wind. Force (0 to 12.) | Weather. | Sea (0 to 9.) | PAST 24 HOURS. Temp. Max. ° | Temp. Min. ° | Weather | Sunshine Hours | Rainfall Ins. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SCANDINAVIA | Haparanda ... ... | 29.45 | 19 | SE | 2 | 0 | 29.36 | -.09 | 19 | 19 | -6 | SE | 2 | 0 | * | 32 | 16 | - | * | - |
| | Hernösand ... ... | 29.24 | 26 | X | 0 | 0 | ?29.06 | -.25 | 32 | 32 | +9 | SE | 6 | S | * | 34 | 19 | - | * | 0.04 |
| | Stockholm ... ... | 29.22 | 35 | E | 2 | r | 28.80 | -.61 | 33 | 32 | 0 | S | 4 | S | * | 36 | 32 | - | * | 0.28 |
| | Wisby ... ... ... | 29.13 | 36 | S | 2 | r | 28.86 | -.61 | 40 | 39 | +5 | SW | 6 | 0 | * | 40 | 34 | - | * | 0.32 |
| | Karlstad ... ... | 29.02 | 33 | ESE | 2 | s | 28.68 | -.63 | 33 | 33 | -1 | E | 2 | S | * | * | * | - | * | 0.35 |
| | Færder (X'iania Fjord) | 28.92 | 32 | ENE | 4 | r | 28.65 | -.54 | 33 | 33 | -6 | NW | 2 | 0 | 1 | 39 | 32 | - | * | 0.47 |
| | Bodö ... ... ... | 29.08 | 31 | E | 6 | 3 | 28.96 | -.27 | 30 | 27 | 0 | E | 4 | 0 | 1 | 32 | 28 | - | * | - |
| | Christiansund ... | 28.82 | 36 | ESE | 3 | 3c | 28.62 | -.42 | 37 | 34 | +2 | ESE | 2 | 3c | 4 | 37 | 34 | - | * | 0.04 |
| | Skudesnaes ... | 28.76 | 40 | X | 0 | 0 | 28.54 | -.53 | 38 | 37 | -2 | S | 8 | r | 5 | 41 | 36 | r, o | * | * |
| BRITISH ISLANDS. | Sumburgh Head | 28.54 | 42 | SE | 3 | r | 28.33 | -.49 | 42 | 41 | +2 | NE | 1 | 0 | 5 | 43 | 38 | r | * | 0.24 |
| | Stornoway ... ... | 28.49 | 43 | X | 0 | 0 | 28.49 | -.27 | 42 | 41 | -2 | NW | 2 | 0 | 2 | 46 | 37 | o, d, r | 0.0 | 0.11 |
| | Malin Head ... | ?28.63 | 40 | SW | 7 | cgp | 28.69 | -.07 | 44 | 42 | -1 | WNW | 6 | 3cp | 5 | 45 | 37 | r, cgp | * | 0.41 |
| | Blacksod Pt. ... | 28.74 | 42 | W | 8 | 3cgp | 28.91 | +.19 | 44 | 42 | 0 | NW | 7 | cgpm | 6 | 45 | 41 | cpmgp3 | * | 0.47 |
| | Valencia ... ... | 29.01 | 43 | SW | 7 | 3cg3 | 29.02 | +.01 | 46 | 43 | -2 | W | 8 | op | 6 | 49 | 40 | 3cgpg3 | 0.7 | 0.26 |
| | Roche's Point ... | 29.04 | 44 | WSW | 4 | 3gp | 28.97 | -.11 | 49 | 47 | -1 | WSW | 5 | cgu | 5 | 50 | 40 | 3, gp, 3 | * | 0.09 |
| | Parsonstown ... | 28.94 | 40 | W | 5 | o | 28.87 | -.06 | 41 | 40 | -8 | W | 4 | og | * | 49 | 35 | o, hsp | 0.5 | 0.35 |
| | Donaghadee ... | 28.76 | 43 | W | 3 | ggp | 28.76 | -.15 | 39 | 38 | -8 | W | 3 | cg | 3 | 47 | 36 | ggp, 3 | * | 0.05 |
| | Liverpool Obsy... | 28.89 | 46 | WSW | 7 | r | 28.82 | -.23 | 41 | 39 | -7 | WSW | 6 | c | 5 | 51 | 39 | p | * | 0.03 |
| | Holyhead ... ... | 28.93 | 45 | W | 8 | 3cgp | 28.85 | -.14 | 44 | 42 | -4 | W | 7 | 3c | 6 | 50 | 41 | 3cg, gp3 | * | 0.04 |
| | Pembroke (St Ann's) | 29.10 | 47 | WSW | 9 | c | 28.99 | -.17 | 47 | 43 | -3 | SW | 7 | cgu | 7 | 51 | 44 | c, grs, 3 | 0.8 | 0.30 |
| | Scilly (St. Mary's) ... | 29.34 | 50 | WSW | 7 | 3c | 29.25 | -.11 | 48 | 45 | -5 | W | 7 | c | 7 | 53 | 41 | 3cgp, 3fp | 2.6 | 0.22 |
| | Jersey (St. Aubins) ... | | | | | | | | | | | | | | | | | | | |
| | Portland Bill ... | 29.28 | 48 | W | 8 | 3crhgp | 29.07 | -.26 | 44 | 43 | -5 | WNW | 8 | c | 6 | 51 | 40 | c, rhgp, 33 | * | 0.25 |
| | Dungeness ... ... | 29.26 | 49 | WSW | 7 | 3cg | 29.05 | -.35 | 45 | 43 | -5 | W | 7 | rg | 6 | 50 | 39 | c, 3c, 3 | 0.0 | 0.28 |
| | Wick ... ... ... | 28.59 | 40 | W | 2 | o | 28.35 | -.44 | 39 | 38 | -1 | W | 1 | r | 1 | 44 | 35 | o, f | * | 0.15 |
| | Nairn ... ... ... | 28.47 | 39 | X | 0 | r | 28.43 | -.36 | 40 | 39 | +2 | SW | 2 | r | 1 | 42 | 35 | - | * | 0.36 |
| | Aberdeen ... ... | 28.48 | 42 | S | 3 | 3cm | 28.43 | -.44 | 39 | 38 | 0 | WNW | 3 | o | 2 | 42 | 38 | omd, 3c, r | 0.0 | 0.12 |
| | Leith ... ... ... | 28.52 | 39 | W | 5 | r | 28.53 | -.32 | 42 | 40 | +2 | WSW | 5 | o | * | 48 | 36 | gp | * | 0.10 |
| | North Shields ... | 28.71 | 44 | SW | 3 | cp | 28.63 | -.28 | 40 | 39 | -8 | SW | 3 | c | 2 | 50 | 36 | c, cp | * | 0.05 |
| | Spurn Head .. | 28.89 | 45 | SW | 7 | 3c | 28.75 | -.28 | 38 | 37 | -11 | SW | 6 | 3cg | 4 | 53 | 36 | 3c, g | * | 0.01 |
| | Yarmouth ... ... | 29.06 | 49 | WSW | 6 | 3cg | 28.89 | -.28 | 41 | 38 | -11 | WSW | 6 | o | 4 | 53 | 39 | 3c, g | * | 0.07 |
| | Clacton-on-Sea ... | 29.17 | 46 | SW | 6 | 3 | 28.98 | -.29 | 41 | 39 | -1 | WSW | 5 | 3c | 5 | 52 | 39 | 3c, cgr | 2.1 | 0.07 |
| | Nottingham ... | 29.00 | 46 | WSW | 5 | r | 28.84 | -.25 | 39 | 38 | -12 | SW | 2 | rg | * | 53 | 36 | 3c, rg | 2.4 | 0.23 |
| | Bath ... ... ... | 29.20 | 47 | SW | 7 | o | 29.04 | -.20 | 45 | 41 | -7 | SW | 3 | c | * | 55 | 36 | - | 1.3 | 0.48 |
| | Oxford ... ... | 29.19 | 45 | W | 5 | 3 | 28.98 | -.27 | 40 | 39 | -11 | SW | 5 | 3cgp | * | 54 | 36 | 3, 3 | * | 0.29 |
| | London (Brixton) ... | 29.21 | 47 | W | 5 | 3 | 29.00 | -.29 | 42 | 40 | -10 | WSW | 6 | 3cmp | * | 55 | 41 | 3c, 3, gp | 1.5 | 0.24 |
| GERMANY, &c. | The Scaw (Skagen) | 28.72 | 39 | SE | 5 | r | 28.72 | -.54 | 40 | 40 | +1 | W | 5 | r | 1 | 41 | 36 | - | * | 0.35 |
| | Fanö ... ... ... | 28.90 | 41 | SW | 6 | 3 | 28.90 | -.35 | 39 | 38 | +2 | SSW | 4 | o | * | 41 | 37 | - | * | 0.32 |
| | Cuxhaven ... ... | 29.10 | 45 | SW | 7 | o | 29.04 | -.28 | 40 | 39 | 0 | SSW | 6 | o | * | 46 | 39 | op | * | 0.43 |
| | The Helder ... | 29.07 | 44 | SW | 7 | 3 | 28.89 | -.29 | 41 | 40 | -3 | SW | 6 | c | 4 | 46 | 38 | - | * | 0.12 |
| | Brussels ... ... | * | * | * | * | * | ?29.17 | -.33 | 39 | 38 | -10 | SW | 5 | o | * | 51 | 37 | - | * | 0.20 |
| | Berlin ... ... ... | 29.32 | 46 | SW | 3 | o | 29.30 | -.29 | 42 | 39 | +3 | SW | 4 | 3 | * | 48 | 39 | - | * | 0.47 |
| | Frankfürt ... ... | 29.52 | 49 | SW | 5 | r | 29.37 | -.30 | 46 | 44 | +3 | S | 4 | 3c | * | 50 | 43 | - | * | 0.43 |
| | Munich ... ... | 29.76 | 46 | SW | 7 | c | 29.63 | -.24 | 47 | 44 | +10 | SW | 6 | o | * | 50 | 36 | - | * | 0.08 |
| FRANCE. | C. Gris Nez ... | 29.28 | 48 | SW | 7 | c | 29.12 | -.27 | 45 | 42 | -3 | SW | 7 | c | 7 | 52 | 39 | - | * | 0.59 |
| | Brest ... ... ... | 29.52 | 51 | W | 5 | o | 29.43 | -.19 | 48 | 44 | -3 | NW | 6 | c | 7 | 52 | 43 | - | * | 0.04 |
| | Lorient ... ... | 29.62 | 48 | W | 6 | o | ?29.54 | -.20 | 49 | 48 | -2 | WNW | 7 | c | 8 | 54 | 46 | - | * | 0.51 |
| | Rochefort ... ... | 29.84 | 54 | SW | 6 | r | 29.73 | -.21 | 54 | 52 | +2 | WSW | 7 | o | * | 54 | 45 | r | * | 0.32 |
| | Biarritz ... ... | 30.06 | 56 | S | 1 | o | 30.00 | -.14 | 58 | 57 | +5 | WSW | 4 | o | 4 | 58 | 52 | - | * | - |
| | Paris ... ... ... | 29.57 | 52 | SW | 6 | r | 29.43 | -.28 | 45 | 42 | -6 | W | 6 | o | * | 53 | 43 | - | * | 0.28 |
| | Belfort... ... ... | 29.80 | 49 | WSW | 7 | o | 29.62 | -.26 | 46 | 45 | +4 | WSW | 7 | o | * | 50 | 41 | - | * | 0.08 |
| | Lyons ... ... ... | 30.04 | 44 | SSW | 3 | c | 29.85 | -.24 | 47 | 43 | +4 | S | 3 | o | * | 48 | 43 | - | * | 0.04 |
| | Nice ... ... ... | 30.06 | 44 | NW | 1 | o | 29.99 | -.15 | 40 | 39 | 0 | NW | 2 | c | 3 | 50 | 39 | - | * | - |
| | Perpignan ... ... | 30.10 | 45 | X | 0 | 3c | 29.99 | -.18 | 39 | 39 | -4 | SW | 1 | o | * | 59 | 36 | - | * | - |
| SPAN. PEN. | Corunna ... ... | | | | | | | | | | | | | | | | | | * | |
| | Lisbon † ... ... | 30.33 | 55 | SSW | 4 | o | 30.32 | -.04 | 57 | 54 | +5 | SW | 3 | c | * | 57 | 52 | - | * | 0.16 |
| | Azores (P. Delgada)... | | | | | | | | | | | | | | | | | | * | |
| | ,, (Horta) ... | 30.18 | 59 | WSW | 2 | r | 30.11 | -.10 | 61 | 59 | +1 | SSW | 4 | o | 2 | 63 | 59 | - | * | 0.43 |

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea*

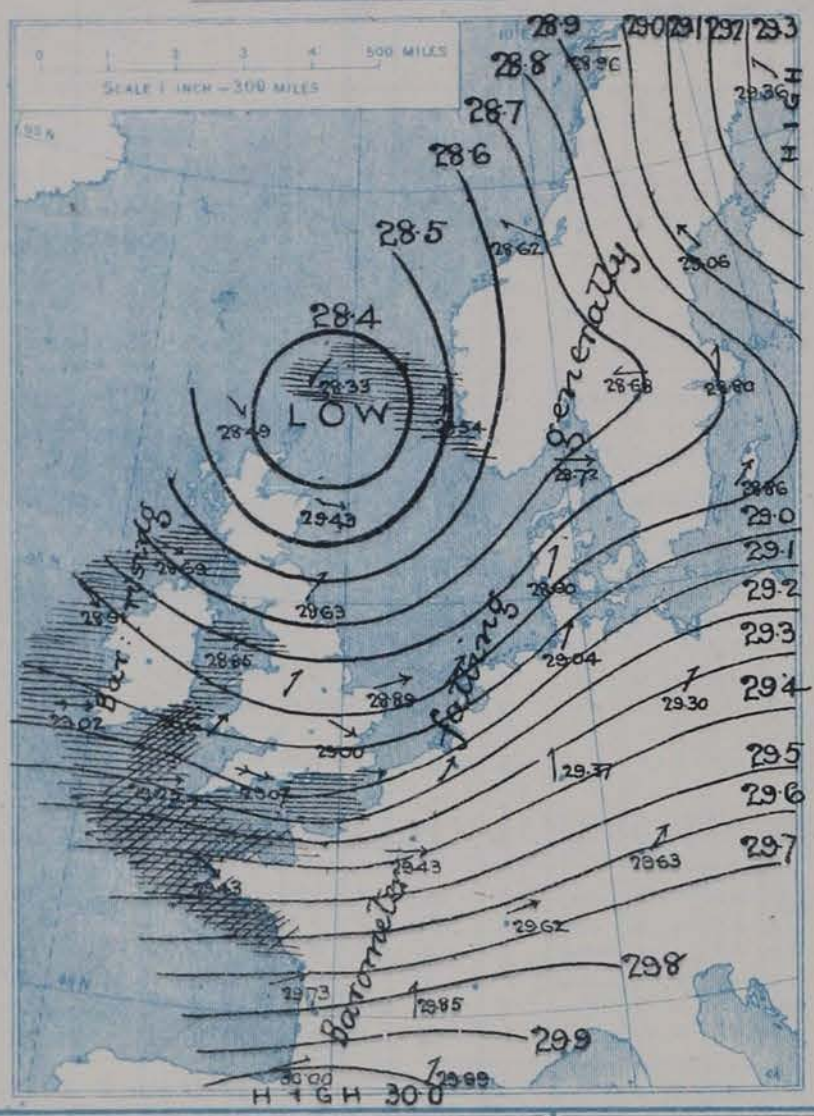
* *Observations for this column not generally received.* † *Observations received too late for insertion in Charts on next page.*

# WEATHER CHARTS

## FOR THURSDAY, 14th JANUARY, 1904.

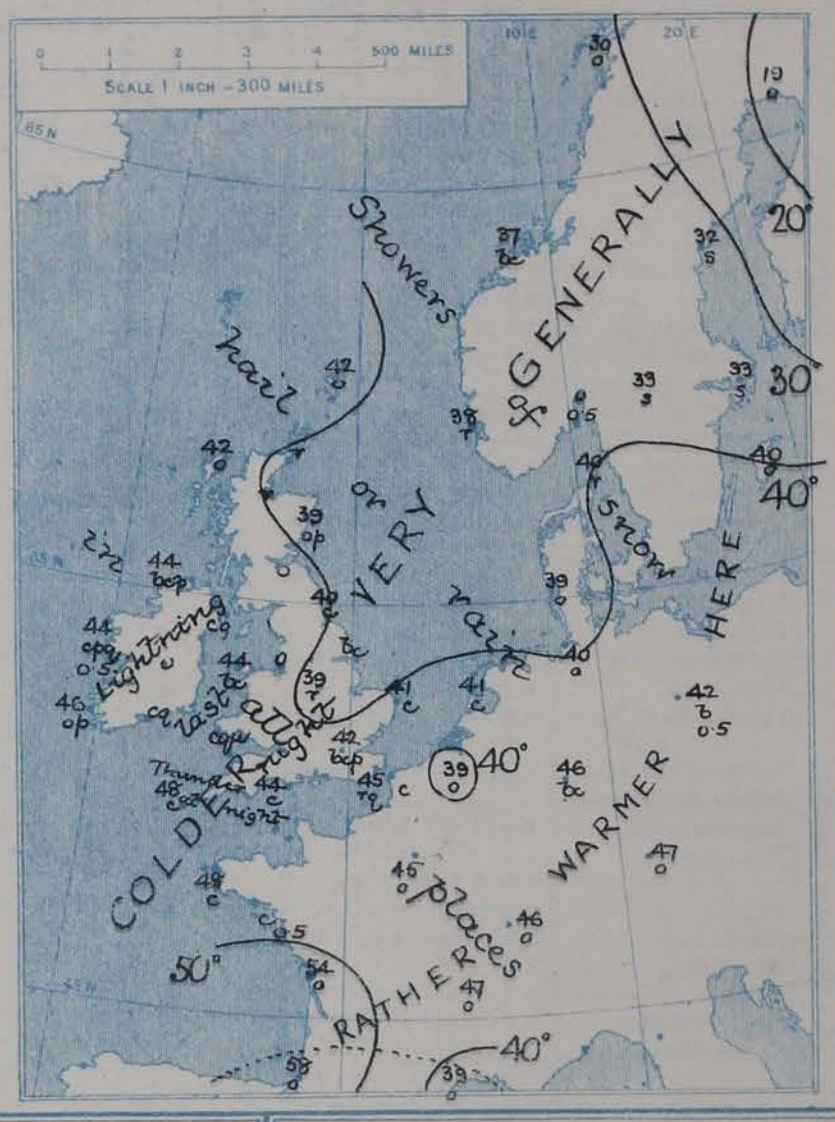
### I. BAROMETER, WIND AND SEA. *This Morning.*

*BAROMETER.—Isobars are drawn for each tenth of an inch.*
*WIND.—Arrows show Directions and Force, flying with the wind.*
*Force above 10* — *Force 8 to 10* — *Force 5 to 7* — *Force 1 to 4* — } Calm ⊙
*SEA.—Rough* *High*



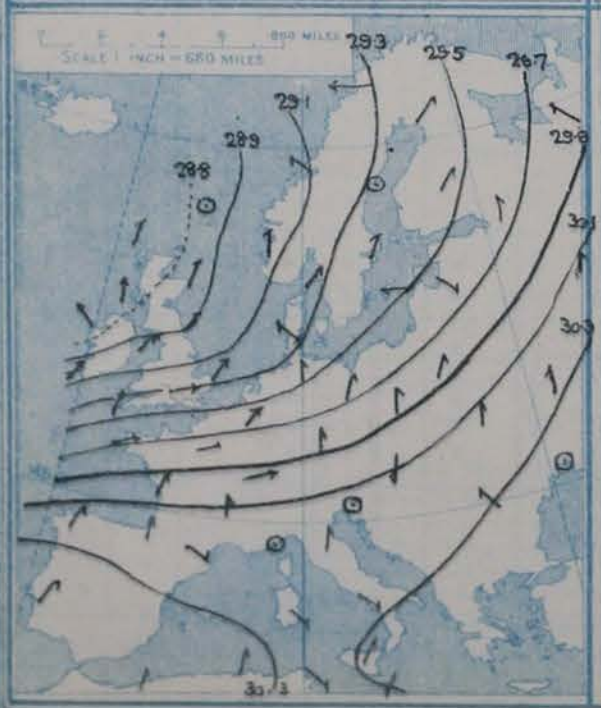

### II. TEMPERATURE AND WEATHER. *This Morning.*

*TEMPERATURE.—Isotherms are drawn for each 10°*
*WEATHER.—Shown by Letters of the Beaufort Scale.* *(See P. 4.)*
*RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus - 0·6*




### III. BAROMETER AND WIND

*Yesterday morning.*



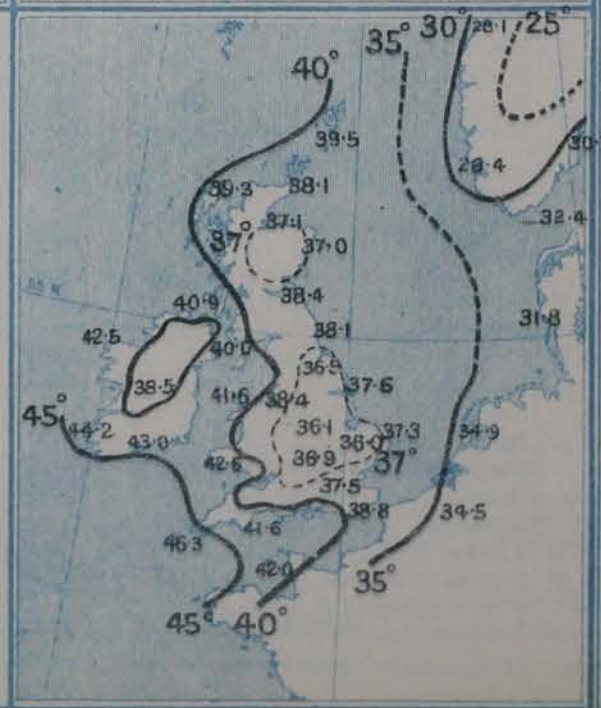

### IV. BRIGHT SUNSHINE IN 1904

Total duration recorded in various districts of the United Kingdom in the week ending Saturday, 9th Jan., with the percentage of the average duration

### V. *Means of* DAILY TEMPERATURE

*at 8 A.M. for the monthly period*

JANUARY (1871–1900.)



# GENERAL SITUATION AT 8 A.M.

**PRESSURE**

The depression which lay off our northwest coasts yesterday has since moved northeastwards and proved to be unusually deep. Its centre, where the barometer has sunk as low as 28·3 ins., now lies a little to the southward of the Shetlands. Pressure is highest, 30·1 ins., in the Azores, but is only a tenth of an inch lower in the southwest of France. Gradients continue steep generally – especially in the south. A rise of the mercury has now set in over Ireland and the west of Scotland.

**WIND**

A complete circulation of wind is shown around the barc minimum, the Easterly and Northeasterly current in the far north being light in force, and that from between West and Southwest in the south and east strong to a gale. In the southwest of Norway there is a Southerly gale.

**TEMPERATURE**

Temperature has fallen decidedly since yesterday, but is still above the average in most parts of our Islands. It ranges from 49° at Roches Point and 48° at Scilly to between 41° at 38° along the east coasts of Great Britain. At Biarritz and in most parts of Germany and Sweden the thermometer has risen and the continental values now range from 58° in the southwest of France to 47° at Munich, 33° at Stockholm, and to 19° at Haparanda.

**WEATHER AND SEA**

The weather is in a changeable, showery condition very generally, with frequent and heavy squalls. At most of the Swedish stations snow is falling. The sea is rough or high on all except our eastern coasts.

During yesterday the maximum temperatures recorded over the United Kingdom were 50° or above very generally; at Bath and in London they were as high as 55°. Rain has fallen in all parts of our area; the heaviest falls over our Islands are 0·5 in. at Blacksod and Bath. Thunder and lightning were experienced during the night at Scilly and Portland Bill and lightning singly occurred in many parts of the Kingdom. A little bright sunshine was recorded in many places during yesterday: at Blacton 2·1 hours, at Nottingham 2·4 hours, at Scilly 2·6 hours, and at Rhyl 3·6 hours.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

As the depression in the north moves away from our immediate neighbourhood the gales still prevailing in the south and southwest will subside. The general distribution of pressure, however, continues favourable to the passage of Atlantic disturbances over our Islands so that no great modification of the present type of weather is to be expected at present.

# FORECASTS*

*For the 24 hours ending at NOON on* 15th January, 1904

| DISTRICTS. | FORECASTS. |
|---|---|
| 0 SCOTLAND NORTH<br>1 SCOTLAND EAST | NW.ly and W.ly winds, increasing in force; changeable, some rain or sleet. |
| 2 ENGLAND N.E.<br>3 ENGLAND EAST<br>4 MIDLAND COUNTIES<br>5 ENGLAND SOUTH | W.ly or SW.ly winds, decreasing in force; changeable, showers with fair intervals. Temperature falling temporarily. |
| 6 SCOTLAND WEST | Same as Nos. 0 and 1. |
| 7 ENGLAND N.W.<br>8 ENGLAND S.W<br>9 IRELAND NORTH<br>10 IRELAND SOUTH | W.ly to SW.ly or S.ly winds, varying in force; changeable, some showers, – hail in places. |
| WARNINGS | At 3.30 pm yesterday to districts 3, 5, 6, 7, and 8, and at 7 pm to districts 1, 2, and part of 0 "Hoist South Cone." The signals are still flying on all coasts except the northwest of Scotland. |

Note.– The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

# REPORTS FOR YESTERDAY.

| STATIONS. | Temperature F. Max. | Temperature F. Min. | Weather. | Sunshine. Hrs. | Rainfall. Ins. |
|---|---|---|---|---|---|
| Blackpool, to 9 p.m. ... ... | 49 | 43 | or, c | 1.5 | 0.53 |
| Southport, to 9 p.m. ... ... | 53 | 43 | or, c, b | 2.4 | 0.57 |
| Rhyl, ... ... ... ... ... | * | * | * | 3.6 | * |
| Llandudno ... ... ... ... | * | * | * | 2.2 | * |
| Bettws-y-Coed, to 6 p.m. ... | 51 | 43 | or, ghu, b | 0.1 | * |
| Aberystwyth, to 6 p.m. ... | 48 | 43 | r, c | 3.0 | 0.30 |
| Plymouth, to 9 p.m. ... ... | 53 | 42 | op, bc, b | 0.3 | 0.24 |
| Bournemouth to 6 p.m. ... | * | * | * | 1.1 | * |
| Worthing ... ... ... ... | * | * | * | 0.0 | * |
| Brighton ... ... ... ... | 49 | * | * | 0.0 | * |
| Eastbourne, to 6 p.m. ... | 51 | * | * | 0.0 | * |
| Hastings ... ... ... ... | * | * | * | 0.0 | * |
| Broadstairs ... ... ... ... | * | * | or | 0.5 | * |
| Margate ... ... ... ... | 54 | * | * | 0.2 | * |
| Lowestoft, to 6 p.m. ... ... | 54 | 41 | o, r, b | 1.2 | 0.15 |
| Skegness ... ... ... ... | * | * | * | 1.8 | * |
| Scarborough, to 6 p.m. ... | 52 | * | * | 0.0 | * |
| Harrogate, to 6 p.m. ... | 51 | 42 | or, bc | 1.6 | 0.31 |
| Manchester, to 9 p.m. ... | 53 | 43 | or, p, bq | 0.8 | 0.60 |
| Darwen, to 9 p.m. ... .. | 49 | 39 | or, qr, cv | 0.1 | 1.25 |
| Birmingham, to 9 p.m. ... | 52 | 41 | r, r, hp, b | 1.1 | 0.22 |

## TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

| STATIONS. 13th Jan. 1904 | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|
| Copenhagen ... ... ... | 36 | 34 | r, f | – |
| Utrecht ... ... ... ... | 48 | 36 | r, o | 0.55 |
| Groningen ... ... ... ... | 45 | 36 | f, m | 0.28 |
| Vienna ... ... ... ... ... | 23 | 19 | o, f | – |
| Marseilles ... ... ... ... | 55 | 41 | c, o | – |
| Florence ... ... ... ... | 46 | 38 | o, r | 0.12 |
| Rome ... ... ... ... ... | 51 | 41 | b, b | 0.12 |
| Naples ... ... ... ... ... | 51 | 44 | o, b | – |
| Palermo ... ... ... ... | 60 | 40 | b, c | – |
| Malta ... ... ... ... ... | 58 | 53 | c | – |
| Algiers ... ... ... ... | 59 | 48 | c, o | – |
| Tunis ... ... ... ... | 55 | 37 | bc, bc | – |
| Madeira (Funchal) ... ... | | | | |
| 12th Jan. 1904 | 1 p.m. | * | 1 p.m. | Measured 7 a.m. |
| Geneva ... ... ... ... | 45 | * | o | – |
| Berne ... ... ... ... | 36 | * | o | – |
| Coire ... ... ... ... | 41 | * | o | – |
| Castasegna ... ... ... | 36 | * | o | – |
| Lugano ... ... ... ... | 41 | * | o | – |
| Davos ... ... .. ... | 32 | * | c | – |

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

### TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

| COUNTRIES, &c. | Hours of Morning Observations by Local Standard Time. | Corresponding Greenwich Times. | Hours of Evening Observations by Local Standard. | Corresponding Greenwich Times. |
|---|---|---|---|---|
| British Isles, Belgium† ... | 8 a.m. (West European) | 8 a.m. | 6 p.m.‡ (W.E.T.) | 6 p.m.‡ |
| Holland ... ... ... ... ... | 8 a.m. ( ,, ,, ) | 8 a.m. | 7 p.m. (W.E.T.) | 7 p.m. |
| Germany, Denmark, Norway, Sweden | 8 a.m. (Mid-European) | 7 a.m. | 8 p.m. (M.E.T.) | 7 p.m. |
| France ... ... ... ... ... | 7 a.m. (Paris) ... ... | 6.51 a.m. | 6 p.m. (Paris) | 5.51 p.m. |
| Spain ... ... ... ... ... | 8 a.m. (West European) | 8 a.m. | 6 p.m. (W.E.T.) | 6 p.m. |
| Portugal ... ... ... ... ... | 8 a.m. (Lisbon) ... ... | 8.36 a.m. | 3.23 p.m. (Lisbon) | 4 p.m. |
| Azores: Ponta Delgada ... ... | 6 a.m. (Local) ... ... | 7.43 a.m. | 9 p.m. (Local) | 10.43 p.m. |
| Azores: Horta ... ... ... | 6 a.m. (Local) ... ... | 7.55 a.m. | 9 p.m. (Local) | 10.55 p.m. |

### TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

| 14th Jan. 1904 | Sunrise G.M.T. | Noon G.M.T. | Sunset G.M.T. |
|---|---|---|---|
| Yarmouth ... ... ... | 8.0 | 12.2 | 4.4 |
| Greenwich ... ... ... | 8.2 | 12.9 | 4.16 |
| Wick ... ... ... ... | 8.54 | 12.21 | 3.48 |
| Valencia ... ... ... | 8.45 | 12.50 | 4.55 |

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† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

# DAILY WEATHER REPORT

*for 8 a.m. on* Friday, 15th January, **1904.**

*Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London.* **W. N. SHAW,** *Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins. | Temp. Dry Bulb. ° | Wind. Direc. | Wind. Force (0 to 12.) | Weather | THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins. | Change since Yesterday. Ins. | Temperature. Dry Bulb. ° | Wet Bulb. ° | Change since Yesterday. ° | Wind. Direc. | Wind. Force (0 to 12.) | Weather. | Sea (0 to 9.) | PAST 24 HOURS. Temp. Max. ° | Temp. Min. ° | Weather | Sunshine Hours | Rainfall. Ins. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SCANDINAVIA | Haparanda... ... | 29.32 | 20 | E | 3 | 8o | 29.36 | ·00 | 16 | 15 | − 3 | E | 2 | o | * | 21 | 16 | – | * | – |
| | Hernösand ... ... | 29.00 | 27 | E | 4 | 8 | 29.07 | +·01 | 22 | 22 | − 10 | NE | 4 | o | * | 34 | 22 | – | * | 0.20 |
| | Stockholm ... ... | 28.92 | 32 | N | o | 8 | 28.92 | +·12 | 35 | 35 | + 2 | SE | 2 | o | * | 37 | 32 | – | * | 0.20 |
| | Wisby... ... ... | 28.91 | 38 | WSW | 2 | r | 28.91 | +·05 | 38 | 37 | − 2 | WSW | 4 | r | * | 41 | 32 | – | * | 0.12 |
| | Karlstad ... ... | 28.81 | 35 | N | o | o | 28.85 | +·17 | 33 | 32 | 0 | ENE | 4 | o | * | * | * | s | * | 0.16 |
| | Færder (X'tiania Fjord) | 28.73 | 36 | SSE | 1 | o | 28.76 | +·11 | 34 | 34 | + 1 | NNE | 4 | r | 2 | 36 | 32 | – | * | 0.16 |
| | Bodö ... ... ... | 29.00 | 34 | E | 6 | c | 29.11 | +·15 | 27 | 24 | − 3 | E | 6 | 8 | 2 | 36 | 27 | – | * | – |
| | Christiansund ... | 28.66 | 38 | SE | 2 | 8c | 28.80 | +·18 | 37 | 32 | 0 | SE | 1 | c | 3 | 41 | 36 | – | * | – |
| | Skudesnaes ... | 28.61 | 37 | N | o | 8 | 28.79 | +·25 | 33 | 32 | − 5 | E | 3 | 8 | 3 | 41 | 32 | c, 8 | * | * |
| BRITISH ISLANDS | Sumburgh Head | 28.50 | 41 | NE | 3 | c | 28.84 | +·51 | 39 | 38 | − 3 | WNW | 3 | r | 5 | 43 | 37 | o, c | * | 0.30 |
| | Stornoway ... ... | 28.85 | 40 | NNW | 7 | o | 29.17 | +·68 | 34 | 32 | − 8 | NW | 4 | os | 4 | 43 | 31 | op, o | 0.0 | 0.22 |
| | Malin Head ... | 29.07 | 37 | NW | 8 | ohg | 29.40 | +·71 | 37 | 35 | − 7 | WNW | 7 | chg | 6 | 44 | 32 | o, hg | * | 0.21 |
| | Blacksod Pt. ... | 29.44 | 38 | WNW | 7 | ohgpm | 29.62 | +·71 | 41 | 38 | − 3 | WNW | 6 | chgpm | 5 | 44 | 36 | 8c, hg, p, 8 | * | 0.09 |
| | Valencia ... ... | 29.62 | 43 | W | 7 | 8cg | 29.81 | +·79 | 43 | 40 | − 3 | W | 6 | og | 6 | 47 | 39 | cg, p, 8cg | 1.0 | – |
| | Roche's Point ... | 29.55 | 41 | NW | 5 | 8g | 29.78 | +·81 | 40 | 38 | ?− 9 | WNW | 4 | 8 | 2 | ?45 | 36 | 8, 8g | * | 0.08 |
| | Parsonstown ... | 29.44 | 35 | W | 4 | 8 | 29.69 | +·82 | 35 | 34 | − 6 | NW | 3 | 8c | * | 43 | 33 | cp, s | 1.3 | 0.08 |
| | Donaghadee ... | 29.09 | 39 | NW | 5 | rg | 29.47 | +·71 | 35 | 34 | − 4 | NW | 4 | sg | 4 | 43 | 32 | – | * | 0.08 |
| | Liverpool Obsy... | 29.11 | 41 | W | 9 | o | 29.53 | +·71 | 38 | 35 | − 3 | W | 7 | 8c | 7 | 45 | 37 | o, hp | * | 0.04 |
| | Holyhead ... ... | 29.20 | 43 | WNW | 9 | cg | 29.58 | +·73 | 40 | 38 | − 4 | WNW | 8 | c | 7 | 44 | 37 | cgp, cg | * | 0.09 |
| | Pembroke (St Ann's) | 29.42 | 43 | WSW | 7 | 8 | 29.72 | +·73 | 43 | 40 | − 4 | WNW | 7 | cg | 6 | 48 | 41 | 8, gp | 0.8 | 0.09 |
| | Scilly (St. Mary's) ... | 29.63 | 45 | WNW | 7 | 8cg | 29.90 | +·65 | 46 | 42 | − 2 | W | 6 | 8 | 7 | 53 | 40 | c, 8cg | 0.6 | 0.05 |
| | Jersey (St. Aubins) ... | | | | | | | | | | | | | | | | | | | |
| | Portland Bill ... | 29.33 | 46 | NW | 9 | rhg | 29.74 | +·67 | 42 | 40 | − 2 | WNW | 8 | 8o | 6 | 48 | 40 | 8, 8rhg | * | 0.05 |
| | Dungeness ... ... | 29.17 | 45 | WNW | 7 | og | 29.68 | +·63 | 38 | 36 | − 7 | WNW | 6 | 8c | 4 | 48 | 31 | c, cg | 2.7 | 0.02 |
| | Wick ... ... ... | 28.67 | 39 | WNW | 6 | r | 29.00 | +·65 | 38 | 37 | − 1 | WNW | 4 | 8ow | 5 | 42 | 35 | – | * | 0.50 |
| | Nairn ... ... ... | 28.75 | 39 | WNW | 5 | o | 29.16 | +·73 | 33 | 31 | − 7 | WNW | 3 | 8c | 2 | 43 | 31 | – | * | 0.09 |
| | Aberdeen ... ... | 28.64 | 40 | WNW | 7 | 8cg | 29.14 | +·71 | 35 | 32 | − 4 | W | 5 | 8g | 2 | 43 | 35 | 8c, og | 0.0 | 0.04 |
| | Leith ... ... ... | 28.75 | 43 | WNW | 3 | c | 29.28 | +·75 | 35 | 32 | − 7 | WSW | 3 | 8 | * | 46 | 33 | – | * | – |
| | North Shields ... | 28.79 | 45 | WSW | 4 | c | 29.30 | +·67 | 35 | 34 | − 5 | SW | 3 | 8 | 2 | 45 | 35 | c | * | – |
| | Spurn Head .. | 28.93 | 41 | WSW | 6 | c | 29.38 | +·63 | 36 | 35 | − 2 | W | 7 | 8 | 4 | 44 | 35 | – | * | – |
| | Yarmouth ... ... | 28.99 | 45 | W | 5 | c | 29.44 | +·55 | 36 | 33 | − 5 | W | 6 | 8g | 4 | 45 | 35 | 8c, o | * | – |
| | Clacton-on-Sea ... | 29.13 | 44 | WNW | 5 | c | 29.58 | +·60 | 35 | 33 | − 6 | W | 4 | 8 | 4 | 46 | 35 | 8cgp | 2.0 | 0.04 |
| | Nottingham ... | 29.06 | 44 | W | 5 | c | 29.51 | +·67 | 36 | 33 | − 3 | W | 3 | 8 | * | 50 | 34 | – | 2.2 | 0.01 |
| | Bath ... ... ... | 29.32 | 41 | W | 6 | 8c | 29.71 | +·67 | 38 | 35 | − 7 | W | 3 | 8 | * | 46 | 37 | – | 0.0 | 0.18 |
| | Oxford ... ... | 29.34 | 41 | W | 5 | 8 | 29.67 | +·69 | 35 | 33 | − 5 | WSW | 3 | 8 | * | 46 | 34 | 8gp | * | 0.14 |
| | London (Brixton) ... | 29.19 | 43 | WNW | 6 | 8c | 29.64 | +·64 | 36 | 34 | − 6 | WNW | 3 | 8c | * | 47 | 36 | pg, 8 | 1.5 | 0.04 |
| GERMANY, &c. | The Scaw (Skagen) | 28.73 | 38 | SW | 3 | o | 28.66 | −·06 | 36 | 36 | − 4 | E | 1 | r | 0 | 41 | 36 | – | * | 0.20 |
| | Fanö ... ... ... | 28.78 | 40 | SW | 8 | r | 28.80 | −·10 | 38 | 37 | − 1 | WSW | 8 | r | * | 41 | 36 | – | * | 0.35 |
| | Cuxhaven ... ... | 28.96 | 39 | SW | 7 | o | 29.07 | +·03 | 39 | 38 | − 1 | WSW | 7 | og | * | 41 | 37 | – | * | 0.12 |
| | The Helder ... | 29.00 | 41 | SW | 4 | 8 | 29.29 | +·40 | 40 | 37 | − 1 | WNW | 8 | o | 6 | 43 | 37 | – | * | 0.12 |
| | Brussels ... ... | * | * | * | * | * | 29.63 | +·46 | 35 | 33 | − 4 | WSW | 4 | 8 | * | 44 | 35 | – | * | 0.12 |
| | Berlin ... ... ... | 29.21 | 43 | W | 6 | r | 29.28 | −·02 | 40 | 38 | − 2 | W | 5 | c | * | 48 | 37 | – | * | 0.12 |
| | Frankfürt ... ... | 29.42 | 44 | SW | 4 | c | 29.63 | +·26 | 39 | 37 | − 7 | WSW | 3 | c | * | 48 | 37 | – | * | 0.04 |
| | Munich ... ... | 29.68 | 38 | SW | 6 | o | 29.75 | +·12 | 36 | 35 | − 11 | W | 5 | o | * | 52 | 36 | – | * | 0.08 |
| FRANCE. | C. Gris Nez ... | 29.19 | 45 | SW | 8 | o | 29.60 | +·48 | 40 | 37 | − 5 | WSW | 7 | 8 | 7 | 48 | 36 | – | * | 0.08 |
| | Brest ... ... ... | 29.71 | 49 | NW | 4 | o | 29.95 | +·52 | 46 | 42 | − 2 | SSW | 2 | 8c | 5 | 50 | 43 | – | * | – |
| | Lorient ... ... | 29.69 | 48 | W | 7 | f | 29.99 | +·45 | 46 | 44 | − 3 | WNW | 5 | o | 5 | 54 | 43 | – | * | 0.12 |
| | Rochefort ... ... | 29.88 | 49 | W | 7 | r | 30.05 | +·22 | 49 | 46 | − 5 | WNW | 4 | o | * | 55 | 45 | o, r | * | 0.12 |
| | Biarritz ... ... | 30.14 | 54 | W | 5 | r | 30.25 | +·25 | 51 | 47 | − 7 | W | 4 | o | 5 | 58 | 45 | – | * | 0.12 |
| | Paris ... ... ... | 29.53 | 44 | SW | 5 | 8 | 29.83 | +·40 | 39 | 37 | − 6 | WSW | 3 | c | * | 50 | 39 | – | * | – |
| | Belfort... ... ... | 29.70 | 40 | WSW | 7 | 8 | 29.88 | +·26 | 34 | 33 | − 12 | WSW | 7 | o | * | 50 | 33 | – | * | 0.08 |
| | Lyons ... ... ... | 29.93 | 45 | S | 3 | r | 30.12 | +·27 | 39 | 36 | − 8 | W | 1 | c | * | 55 | 39 | – | * | 0.08 |
| | Nice ... ... ... | 29.81 | 51 | SW | 3 | c | 29.90 | −·09 | 46 | 37 | + 6 | NW | 4 | 8c | 4 | 52 | 40 | – | * | – |
| | Perpignan ... ... | 30.00 | 53 | W | 3 | o | 30.17 | +·18 | 41 | 38 | + 2 | W | 3 | 8 | * | 56 | 46 | – | * | – |
| SPAN. PEN. | Corunna ... ... | | | | | | | | | | | | | | | | | | * | |
| | Lisbon † ... ... | 30.27 | 56 | SSW | 4 | o | 30.36 | +·04 | 55 | 54 | − 2 | WSW | 3 | c | * | 59 | 54 | – | * | – |
| | Azores (P. Delgada)... | | | | | | | | | | | | | | | | | | * | |
| | ,, (Horta) ... | 30.01 | 62 | S | 5 | c | 29.95 | −·16 | 62 | 59 | + 1 | S | 5 | o | 4 | 64 | 61 | – | * | 0.04 |

NOTE: *The Sunshine for this column given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.* † *Observations received too late for insertion in Charts on next page.*

# WEATHER CHARTS

FOR FRIDAY, 15th JANUARY, 1904.

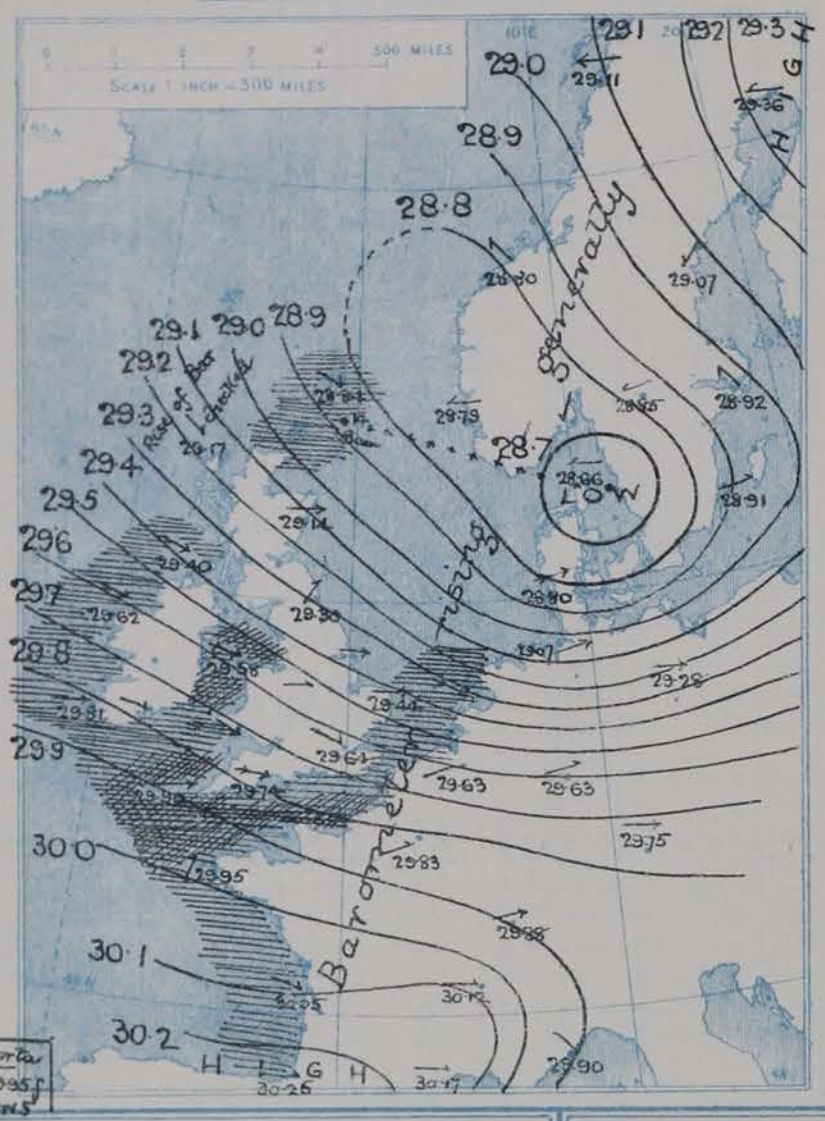
## I. BAROMETER, WIND AND SEA. *This Morning.*

*BAROMETER.—Isobars are drawn for each tenth of an inch.*

*WIND.—Arrows show Directions and Force, flying with the wind.*

*Force above 10* — *Force 8 to 10* — *Force 5 to 7* — *Force 1 to 4* — } Calm ⊙

*SEA.—Rough* *High*

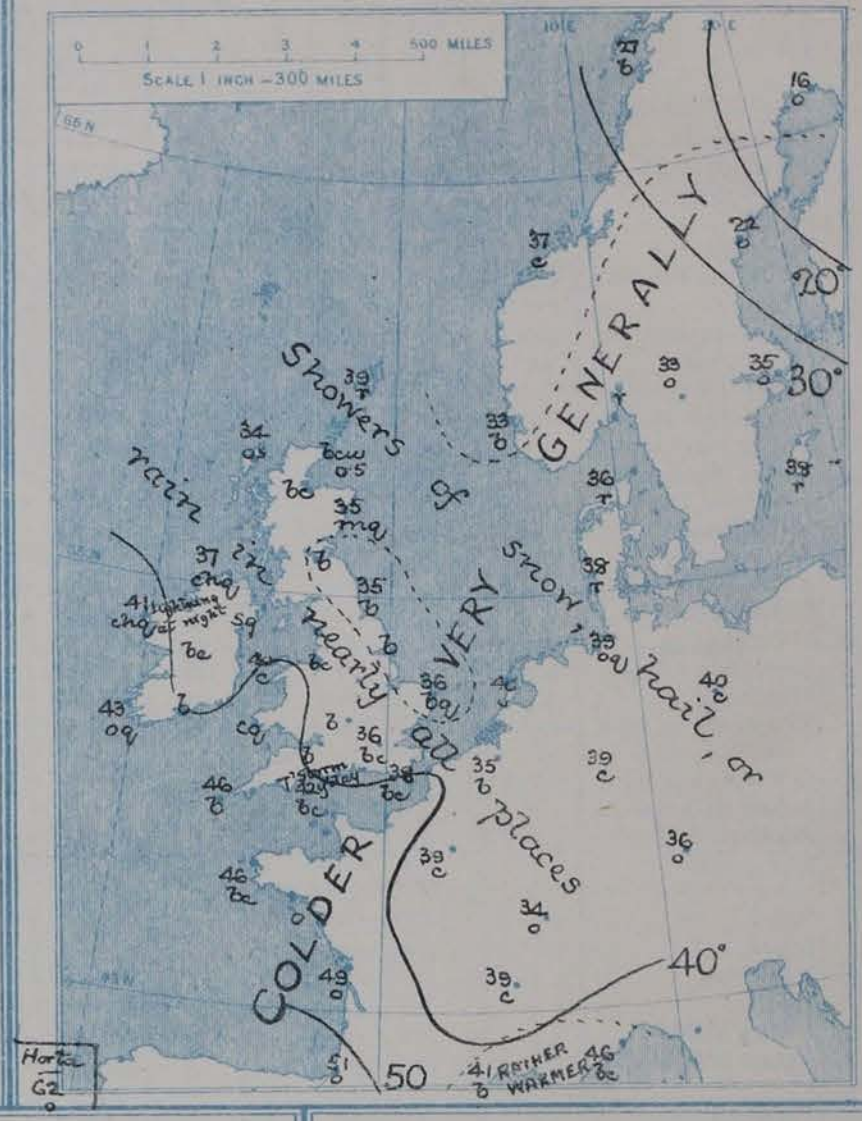



## II. TEMPERATURE AND WEATHER. *This Morning.*

*TEMPERATURE.—Isotherms are drawn for each 10°.*

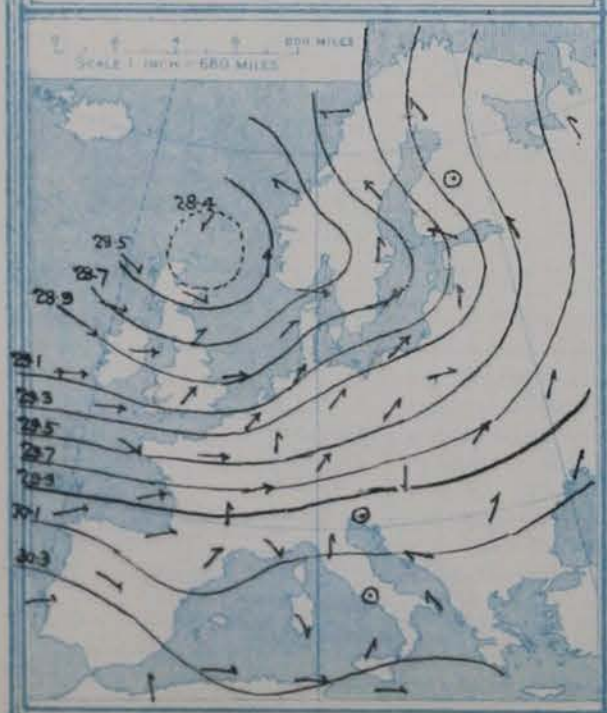
*WEATHER.—Shown by Letters of the Beaufort Scale* (See P. 4.)

*RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus - 0·6*




## III. BAROMETER AND WIND

*Yesterday morning.*




## IV. GREATEST AND LEAST MONTHLY RAINFALL IN JANUARY

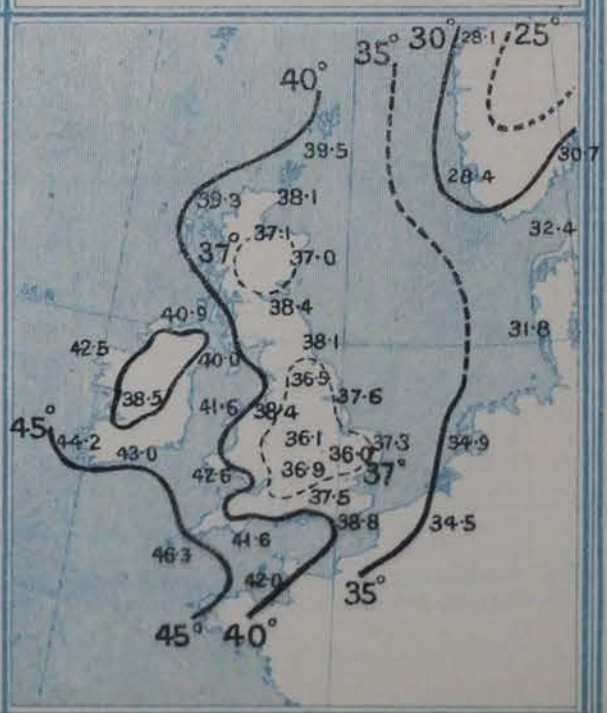
*During the 33 Years 1871-1903.*

*Specimen (for LONDON)* { *Greatest Rainfall* 4·69 (IN 1877); *Least Do.* 0·37 (IN 1880)

## V. *Means of* DAILY TEMPERATURE

*at 8 A.M. for the monthly period*

JANUARY (1871-1900.)



# GENERAL SITUATION AT 8 A.M.

**PRESSURE**

The depression of yesterday has moved east-southeastwards to Denmark and the Skattegat and at the same time become less deep. The barometer at its centre now stands at about 28·6 ins., whence the readings increase to 29·36 ins. at Haparanda, to 28·84 ins. at Lerwick Head, and to 30·25 ins. at Biarritz. Gradients are still very steep over the southern half of the North Sea and the adjacent portion of the Continent, but elsewhere they have decreased. The baric rise in the rear of the disturbance has been very rapid over our Islands, but it is now much checked in the west and northwest.

**WIND**

The cyclonic wind circulation is still well marked. The West-northwesterly or Westerly current over our Islands, the north of France, the Netherlands, and North Germany is still strong in force, and in many places blow a gale. The Easterly winds prevailing in Scandinavia are, however, very light or moderate.

**TEMPERATURE**

Temperature has fallen very generally and is now rather below the normal in most parts of the United Kingdom. The readings range from 46° at Scilly to 36° or 35° at most stations in Great Britain and to 33° at Nairn. The continental values range from 51° at Biarritz and 46° at Nice to 35° at Brussels, 33° at Karlstad, 22° at Hernosand, and to 16° at Haparanda.

**WEATHER AND SEA**

The sky has cleared over the major portion of these Islands, but snow or hail showers are reported in the north of Ireland and rain is falling in the Shetlands. On the Continent a good deal of cloud prevails, and in Denmark and Gothland rain is prevalent. The sea is rough or high except on our east coasts.

The highest temperatures recorded in the United Kingdom yesterday were 53° at Scilly and 50° at Nottingham and the lowest night minima at any of our stations, 31° at Stornoway, Nairn and Dungeness. Rain has fallen in nearly all parts of our area, but not, as a rule, in large amounts. At Wick, however, the measurement is as much as 0·5 in. Thunder and lightning occurred at Portland Bill yesterday afternoon and lightning at Blackpool during the night. Between 2 and 3 hours of bright sunshine were recorded in most parts of England, but less in Ireland and Scotland.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression over Denmark will soon cease to materially affect the weather over the United Kingdom, but a slackening of the baric rise in the northwest probably points to the approach of a secondary disturbance. The general distribution of pressure is still favourable to the passage of depressions over these Islands from the Atlantic.

# FORECASTS*

*For the 24 hours ending at NOON on* 16th JANUARY, 1904

| DISTRICTS. | FORECASTS. |
|---|---|
| 0 SCOTLAND NORTH<br>1 SCOTLAND EAST | Fresh or strong winds between NW and W; cold, changeable, some snow or sleet showers. |
| 2 ENGLAND N.E.<br>3 ENGLAND EAST<br>4 MIDLAND COUNTIES<br>5 ENGLAND SOUTH | Wind chiefly W.ly moderate or fresh; fair and cold generally, but some sleet or snow showers in east later. |
| 6 SCOTLAND WEST | Same as Nos. 0 and 1. |
| 7 ENGLAND N.W.<br>8 ENGLAND S.W.<br>9 IRELAND NORTH<br>10 IRELAND SOUTH | W.ly or NW.ly winds, decreasing; backing later; Fair and cold as a whole, but rain or hail showers locally. |
| WARNINGS | The signals are still flying on all coasts, except in district 10 and part of 9. |

Note.—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

# REPORTS FOR YESTERDAY.

| STATIONS. | Temperature F. Max. | Temperature F. Min. | Weather. | Sunshine. Hrs. | Rainfall. Ins. |
|---|---|---|---|---|---|
| Blackpool, to 9 p.m. ... ... | 45 | 39 | b, c, b, o | 2·5 | 0·02 |
| Southport, to 9 p.m. ... ... | 45 | 40 | op, c, op | 2·3 | 0·06 |
| Rhyl, ... ... ... ... ... ... | * | * | * | 2·5 | * |
| Llandudno ... ... ... ... | * | * | * | 0·3 | * |
| Bettws-y-Coed, to 6 p.m. ... | 44 | 38 | cpbg, c | 0·2 | * |
| Aberystwyth, to 6 p.m. ... | 46 | 41 | r, c | 0·0 | 0·25 |
| Plymouth, to 9 p.m. ... ... | 49 | 41 | o, bcgp, b | 0·8 | 0·36 |
| Bournemouth to 6 p.m. ... | | | | 1·3 | |
| Worthing ... ... ... ... | * | * | * | 2·5 | * |
| Brighton ... ... ... ... | 49 | * | * | 2·9 | * |
| Eastbourne, to 6 p.m. ... | 49 | * | * | 2·0 | * |

| STATIONS. | Temperature F. Max. | Temperature F. Min. | Weather. | Sunshine. Hrs. | Rainfall. Ins. |
|---|---|---|---|---|---|
| Hastings ... ... ... ... | * | * | * | 2·3 | * |
| Broadstairs... ... ... ... | * | * | * | 4·0 | * |
| Margate ... ... ... ... | 48 | 38 | b, c, h, r | 3·1 | 0·31 |
| Lowestoft, to 6 p.m. ... ... | 46 | 38 | o, bcg, o | 1·5 | – |
| Skegness ... ... ... ... | * | * | * | 2·1 | * |
| Scarborough, to 6 p.m. ... | 50 | * | * | 0·0 | * |
| Harrogate, to 6 p.m. ... | 45 | 35 | b, d, c, d | 2·3 | 0·14 |
| Manchester, to 9 p.m. ... | 46 | 35 | our, pg | 0·3 | 0·07 |
| Darwen, to 9 p.m. ... .. | 41 | 33 | c, o r g | 0·0 | 0·12 |
| Birmingham, to 9 p.m. ... | 45 | 33 | blr, p, b | 1·2 | 0·20 |

## TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

| STATIONS. 14th Jan. 1904 | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|
| Copenhagen ... ... ... | 43 | 36 | r, f | 0·32 |
| Utrecht... ... ... ... ... | 50 | 43 | o, o | 0·24 |
| Groningen ... ... ... ... | 46 | 37 | o, o | 0·24 |
| Vienna ... ... ... ... ... | 28 | 27 | f, o | ? |
| Marseilles ... ... ... ... | 52 | 45 | o, o | 0·04 |
| Florence ... ... ... ... | 50 | 47 | o·o | 0·04 |
| Rome ... ... ... ... ... | 53 | 48 | o·o | 0·08 |
| Naples ... ... ... ... ... | 54 | 45 | b, bc | – |
| Palermo ... ... ... ... | 61 | 40 | bc, c | – |
| Malta ... ... ... ... ... | 58 | 49 | o | – |

| STATIONS. | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|
| Algiers ... ... ... ... | 64 | 52 | c, bc | – |
| Tunis ... ... ... ... | 61 | 37 | bc, bc | – |
| Madeira (Funchal) ... ... | | | | |
| 13th Jan. 1904 | 1 p.m. | * | 1 p.m. | Measured 7 a.m. |
| Geneva ... ... ... ... | 48 | * | o | – |
| Berne ... ... ... ... | 45 | * | o | – |
| Coire ... ... ... ... | 43 | * | o | – |
| Castasegna ... ... ... | 39 | * | bc | – |
| Lugano ... ... ... ... | 43 | * | o | – |
| Davos ... ... .. ... | 39 | * | o | – |

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

### TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

| COUNTRIES, &c. | Hours of Morning Observations by Local Standard Time. | Corresponding Greenwich Times. | Hours of Evening Observations by Local Standard. | Corresponding Greenwich Times. |
|---|---|---|---|---|
| British Isles, Belgium† ... | 8 a.m. (West European) | 8 a.m. | 6 p.m.‡ (W.E.T.) | 6 p.m.‡ |
| Holland ... ... ... ... ... | 8 a.m. ( " " ) | 8 a.m. | 7 p.m. (W.E.T.) | 7 p.m. |
| Germany, Denmark, Norway, Sweden | 8 a.m. (Mid-European) | 7 a.m. | 8 p.m. (M.E.T.) | 7 p.m. |
| France ... ... ... ... ... | 7 a.m. (Paris) ... ... | 6.51 a.m. | 6 p.m. (Paris) | 5.51 p.m. |
| Spain ... ... ... ... ... | 8 a.m. (West European) | 8 a.m. | 6 p.m. (W.E.T.) | 6 p.m. |
| Portugal ... ... ... ... ... | 8 a.m. (Lisbon) ... ... | 8.36 a.m. | 3.23 p.m. (Lisbon) | 4 p.m. |
| Azores { Ponta Delgada ... ... | 6 a.m. (Local) ... ... | 7.43 a.m. | 9 p.m. (Local) | 10.43 p.m. |
| Azores { Horta ... ... ... | 6 a.m. (Local) ... ... | 7.55 a.m. | 9 p.m. (Local) | 10.55 p.m. |

### TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

| 15th Jan. 1904. | Sunrise G.M.T. | Noon G.M.T. | Sunset G.M.T. |
|---|---|---|---|
| Yarmouth ... ... ... | 7.59 | 12.2 | 4.5 |
| Greenwich ... ... ... | 8.1 | 12.9 | 4.17 |
| Wick ... ... ... ... | 8.53 | 12.21 | 3.50 |
| Valencia ... ... ... | 8.44 | 12.50 | 4.56 |

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† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

# DAILY WEATHER REPORT

*for 8 a.m. on* Saturday, 16th January, **1904.**

*Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London.* **W. N. SHAW.** *Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins. | Temp. Dry Bulb. ° | Wind. Direc. | Wind. Force (0 to 12.) | Weather | THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins. | Barometer. Change since Yesterday. Ins. | Temperature. Dry Bulb. ° | Temperature. Wet Bulb. ° | Temperature. Change since Yesterday. ° | Wind. Direc. | Wind. Force (0 to 12.) | Weather. | Sea (0 to 9.) | PAST 24 HOURS. Temp. Max. ° | Temp. Min. ° | Weather | Sunshine Hours. | Rainfall. Ins. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SCANDINAVIA | Haparanda... ... | 29.53 | 14 | NE | 2 | c | 29.61 | +.25 | 14 | 13 | − 2 | NE | 4 | 0 | * | 20 | 10 | – | * | – |
| | Hernösand ... ... | 29.26 | 26 | N | 6 | s | 29.39 | +.32 | 23 | 23 | + 1 | N | 2 | 0 | * | 28 | 21 | – | * | 0.12 |
| | Stockholm ... ... | 29.03 | 36 | S | 2 | 0 | 29.12 | +.20 | 32 | 32 | − 3 | SW | 2 | s | * | 37 | 32 | – | * | 0.02 |
| | Wisby... ... ... | 29.01 | 37 | SW | 4 | 0 | 29.12 | +.21 | 34 | 33 | − 4 | SW | 6 | 0 | * | 41 | 34 | – | * | 0.12 |
| | Karlstad ... ... | 28.94 | 28 | ENE | 6 | s | 29.15 | +.30 | 30 | 29 | − 3 | NE | 2 | s | * | * | * | – | * | 0.32 |
| | Færder (X'iania Fjord) | 28.99 | 28 | N | 6 | s | 29.19 | +.43 | 29 | 28 | − 5 | NNW | 5 | 0 | 4 | 34 | 28 | – | * | – |
| | Bodö ... ... ... | 29.29 | 23 | E | 7 | 8 | 29.39 | +.28 | 21 | 18 | − 6 | E | 6 | 8 | 2 | 27 | 19 | – | * | – |
| | Christiansund ... | 28.99 | 35 | SE | 1 | c | 29.20 | +.40 | 33 | 32 | − 4 | SSE | 3 | s | 3 | 37 | 33 | – | * | – |
| | Skudesnaes ... | 28.99 | 34 | SE | 4 | 0 | 29.21 | +.42 | 32 | 31 | − 1 | E | 2 | 8 | 2 | 37 | 32 | 0 | * | * |
| BRITISH ISLANDS | Sumburgh Head | 29.00 | 38 | NW | 6 | 0 | 29.48 | +.64 | 34 | 31 | − 5 | NW | 6 | c | 6 | 41 | 38 | 0 | * | 0.49 |
| | Stornoway ... ... | 29.24 | 36 | N | 5 | s | 29.72 | +.55 | 32 | 31 | − 2 | N | 3 | 8c | 3 | 37 | 30 | hp,0sp | 1.5 | 0.11 |
| | Malin Head ... | 29.48 | 39 | NW | 8 | rhg | 29.80 | +.40 | 39 | 36 | + 2 | NW | 7 | 8chg | 6 | 40 | 33 | c,rhg | * | 0.34 |
| | Blacksod Pt. ... | 29.79 | 38 | WNW | 6 | 8 | 30.05 | +.43 | 41 | 39 | 0 | NW | 5 | 8cghp | 5 | 42 | 36 | 8cghp | * | 0.17 |
| | Valencia ... ... | 29.90 | 42 | W | 5 | cghp | 30.14 | +.33 | 42 | 40 | − 1 | WNW | 6 | cg | 6 | 46 | 37 | cghp | 3.3 | 0.20 |
| | Roche's Point ... | 29.87 | 40 | NW | 3 | c | 30.06 | +.28 | 38 | 38 | − 2 | NW | 4 | 8 | 2 | 45 | 36 | 8,c,g | * | 0.12 |
| | Parsonstown ... | 29.80 | 35 | ? | 2 | c | 30.03 | +.34 | 30 | 29 | − 5 | ? | 2 | 8 | * | 40 | 28 | cprh | 2.4 | 0.02 |
| | Donaghadee ... | 29.52 | 35 | NW | 6 | cgsp | 29.87 | +.40 | 34 | 33 | − 1 | W | 3 | 0 | 2 | 38 | 32 | cgsp | * | 0.12 |
| | Liverpool Obsy... | 29.58 | 39 | W | 7 | c | 29.85 | +.32 | 35 | 34 | − 3 | WNW | 6 | 8c | 5 | 41 | 33 | chp | * | 0.09 |
| | Holyhead ... ... | 29.63 | 39 | WNW | 7 | 8g | 29.88 | +.30 | 40 | 38 | 0 | WNW | 8 | 8cg | 6 | 41 | 37 | c,8g | * | – |
| | Pembroke (St Ann's) | 29.75 | 43 | WNW | 6 | c | 29.99 | +.27 | 40 | 39 | − 3 | NNW | 5 | 8c | 4 | 45 | 37 | cprsg | 3.0 | 0.08 |
| | Scilly (St. Mary's) ... | 29.82 | 47 | W | 5 | c | 30.05 | +.15 | 45 | 42 | − 1 | WNW | 5 | chp | 5 | 47 | 41 | 8cp | 3.9 | 0.07 |
| | Jersey (St. Aubins) ... | | | | | | | | | | | | | | | | | | | |
| | Portland Bill ... | 29.79 | 44 | WNW | 7 | 8cgp | 29.88 | +.14 | 40 | 38 | − 2 | NW | 6 | cg | 4 | 44 | 39 | 8cgp | * | 0.02 |
| | Dungeness ... ... | 29.73 | 42 | WNW | 5 | 8 | 29.77 | +.09 | 32 | 31 | − 6 | WNW | 4 | 8 | 3 | 45 | 31 | 8c,8 | 3.8 | – |
| | Wick ... ... ... | ?29.19 | 33 | NW | 5 | s | 29.54 | +.54 | 34 | 32 | − 4 | NW | 4 | c | 4 | 39 | 31 | rsp | * | 0.15 |
| | Nairn ... ... ... | 29.28 | 33 | WNW | 2 | 8c | 29.69 | +.53 | 31 | 31 | − 2 | SW | 2 | 0 | 2 | 36 | 29 | – | * | 0.01 |
| | Aberdeen ... ... | 29.23 | 33 | WNW | 4 | 8 | 29.65 | +.51 | 32 | 31 | − 3 | WNW | 5 | 8 | 2 | 37 | 32 | 8,spg | 4.7 | 0.08 |
| | Leith ... ... ... | 29.29 | 35 | WSW | 2 | 8 | 29.73 | +.45 | 32 | 29 | − 3 | WSW | 2 | 8 | * | 37 | 30 | – | * | – |
| | North Shields ... | 29.38 | 36 | WSW | 3 | 8 | 29.69 | +.39 | 32 | 30 | − 3 | W | 3 | 8c | 3 | 39 | 30 | 8c,8 | * | – |
| | Spurn Head .. | 29.50 | 36 | WSW | 5 | 8c | 29.64 | +.26 | 35 | 34 | − 1 | WNW | 7 | 8g | 5 | 40 | 34 | – | * | – |
| | Yarmouth ... ... | 29.55 | 39 | W | 5 | 8g | 29.62 | +.18 | 35 | 33 | − 1 | WNW | 5 | 8g | 4 | 40 | 34 | 8g | * | – |
| | Clacton-on-Sea ... | 29.68 | 39 | W | 4 | 8 | ?29.70 | +.12 | 34 | 33 | − 1 | W | 4 | 8 | 3 | 42 | 33 | 8 | 4.3 | – |
| | Nottingham ... | 29.60 | 36 | WSW | 1 | 8 | 29.75 | +.24 | 36 | 33 | 0 | WNW | 2 | 8 | * | 46 | 34 | 8 | 3.5 | – |
| | Bath ... ... ... | 29.75 | 41 | W | 3 | 0 | 29.92 | +.21 | 35 | 33 | − 3 | NW | 3 | 8c | * | 45 | 33 | – | 5.0 | 0.02 |
| | Oxford ... ... | 29.73 | 36 | W | 3 | 8 | 29.85 | +.18 | 34 | 32 | − 1 | W | 3 | 8 | * | 43 | 33 | – | * | – |
| | London (Brixton) ... | 29.73 | 39 | WNW | 4 | 8c | 29.81 | +.17 | 36 | 34 | 0 | WNW | 2 | c | * | 43 | 33 | 8,c,8 | 3.1 | – |
| GERMANY, &c. | The Scaw (Skagen) | 29.02 | 33 | NNW | 4 | 0 | 29.19 | +.53 | 32 | 32 | − 4 | N | 3 | 0 | 1 | 39 | 32 | – | * | 0.04 |
| | Fanö ... ... ... | 29.25 | 39 | W | 6 | 8 | 29.27 | +.47 | 35 | 34 | − 3 | SW | 2 | 8 | * | 39 | 34 | – | * | 0.20 |
| | Cuxhaven ... ... | 29.37 | 37 | W | 8 | 8 | 29.38 | +.31 | 33 | 33 | − 6 | ? | 5 | 0 | * | 39 | 33 | 8,s | * | 0.08 |
| | The Helder ... | 29.51 | 39 | W | 6 | 8 | 29.45 | +.16 | 38 | 36 | − 2 | WNW | 7 | c | 6 | 41 | 34 | – | * | 0.12 |
| | Brussels ... ... | * | * | * | * | * | 29.75 | +.12 | 33 | 32 | − 2 | WSW | 3 | 8c | * | 41 | 33 | – | * | – |
| | Berlin ... ... ... | 29.51 | 38 | W | 5 | 0 | 29.59 | +.31 | 36 | 34 | − 4 | SW | 4 | c | * | 40 | 34 | – | * | 0.04 |
| | Frankfürt ... ... | 29.83 | 37 | W | 3 | 0 | 29.74 | +.11 | 37 | 36 | − 2 | SW | 3 | 0 | * | 43 | 34 | – | * | 0.08 |
| | Munich ... ... | 29.92 | 33 | W | 6 | s | 29.86 | +.11 | 35 | 35 | − 1 | SW | 5 | c | * | 37 | 32 | – | * | – |
| FRANCE. | C. Gris Nez ... | 29.73 | 42 | W | 7 | 8 | 29.78 | +.18 | 37 | 37 | − 3 | WNW | 5 | 8c | 6 | ?45 | 36 | – | * | – |
| | Brest ... ... ... | 30.00 | 47 | NW | 4 | c | 30.06 | +.11 | 45 | 39 | − 1 | NNW | 5 | 8 | 5 | 48 | 43 | – | * | – |
| | Lorient ... ... | 30.04 | 47 | NW | 5 | 0 | 30.05 | +.06 | 45 | 45 | − 1 | NW | 2 | c | 5 | 50 | 41 | – | * | 0.08 |
| | Rochefort ... ... | 30.10 | 46 | WNW | 3 | c | 30.00 | −.05 | 44 | 43 | − 5 | NW | 4 | r | * | 50 | 41 | r,c | * | 0.35 |
| | Biarritz ... ... | | | | | | | | | | | | | | | | | | * | |
| | Paris ... ... ... | 29.95 | 41 | SW | 3 | 0 | 29.88 | +.05 | 38 | 37 | − 1 | WNW | 3 | r | * | 47 | 38 | – | * | 0.04 |
| | Belfort... ... ... | 29.99 | 36 | WSW | 4 | 0 | 29.87 | −.01 | 36 | 35 | + 2 | WSW | 3 | 0 | * | 42 | 34 | – | * | 0.04 |
| | Lyons ... ... ... | 30.17 | 40 | WSW | 1 | c | 30.01 | −.11 | 37 | 35 | − 2 | NNE | 1 | 0 | * | 49 | 36 | – | * | – |
| | Nice ... ... ... | 30.00 | 46 | W | 2 | 8 | 29.94 | +.04 | 40 | 32 | − 6 | N | 1 | 8 | 3 | 54 | 39 | – | * | – |
| | Perpignan ... ... | 30.23 | 48 | NW | 2 | 8 | 30.02 | −.15 | 43 | 41 | + 2 | SW | 1 | 0 | * | 50 | 40 | – | * | – |
| SPAN. PEN. | Corunna ... ... | | | | | | | | | | | | | | | | | | * | |
| | Lisbon ... ... | | | | | | | | | | | | | | * | | | | * | |
| | Azores (P. Delgada)... | | | | | | | | | | | | | | | | | | * | |
| | ,, (Horta) ... | 30.07 | 61 | SSE | 6 | 8 | 30.15 | +.20 | 63 | 60 | + 1 | SE | 5 | c | 4 | 63 | 59 | – | * | – |

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

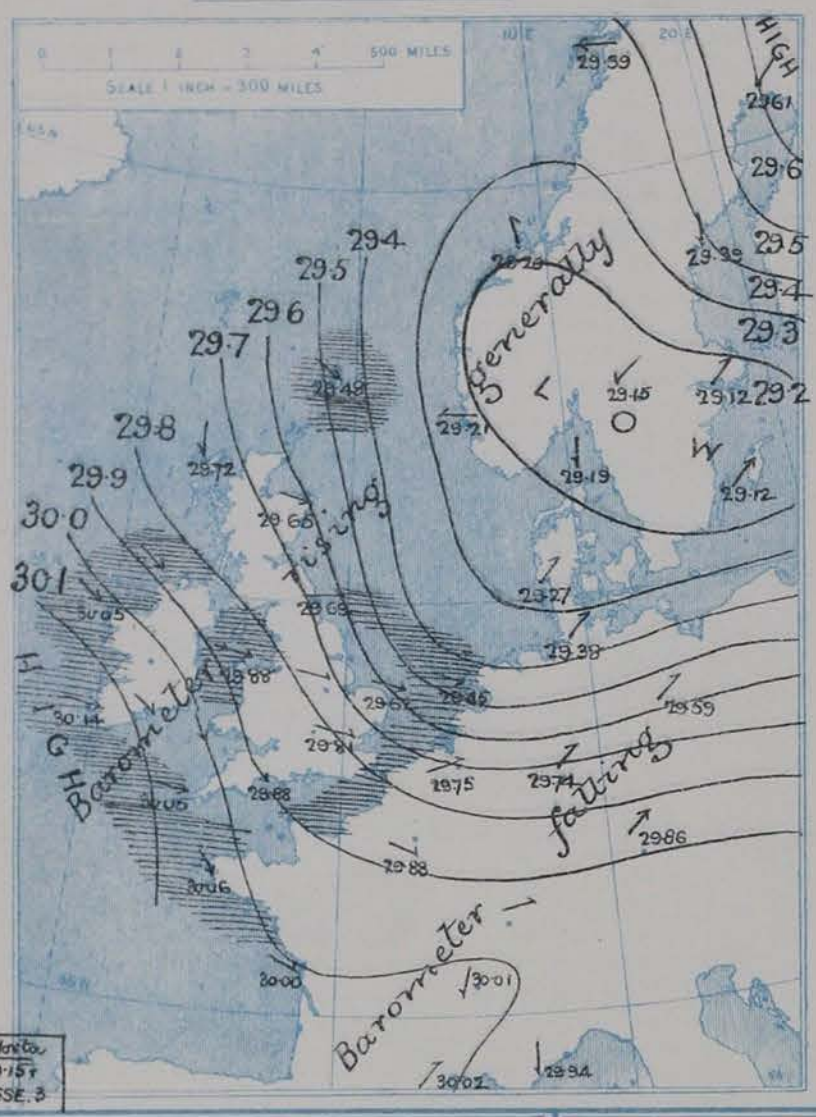
* *Observations for this column not generally received.* † *Observations received too late for insertion in Charts on next page.*

# WEATHER CHARTS

FOR SATURDAY, 16TH JANUARY, 1904.

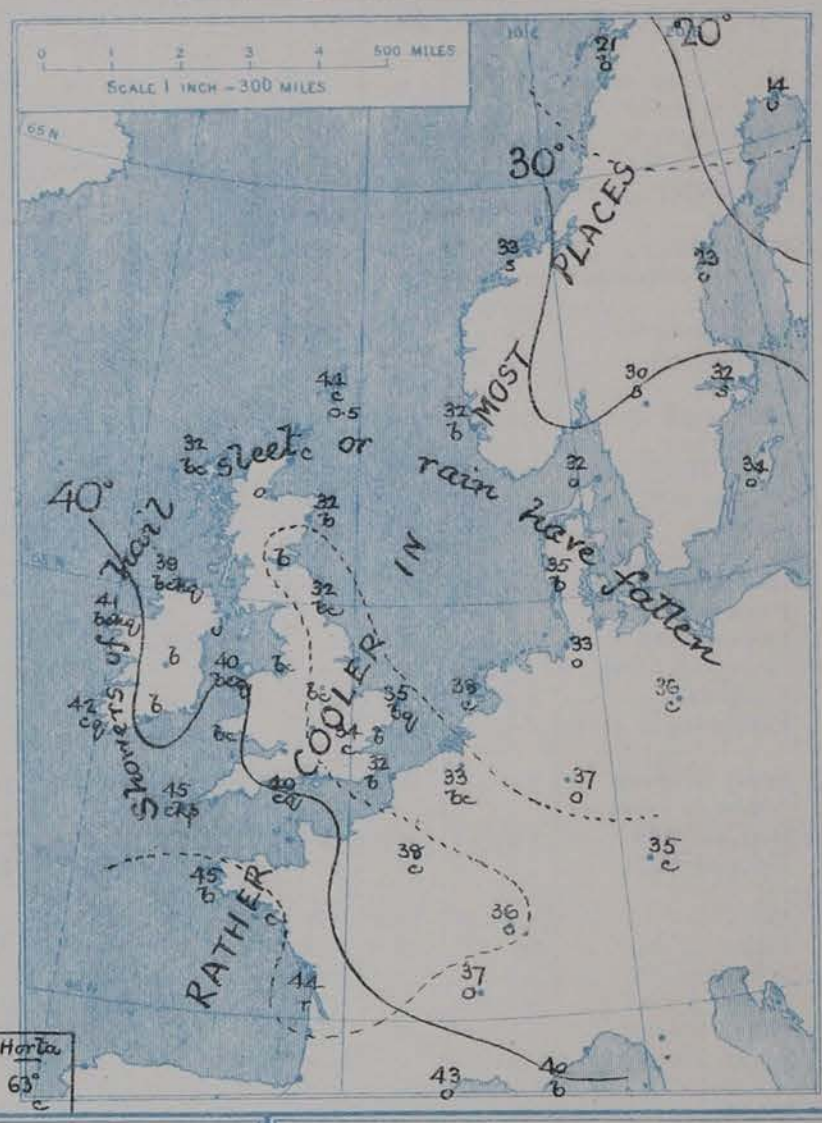
## I. BAROMETER. WIND AND SEA. *This Morning.*

*BAROMETER.—Isobars are drawn for each tenth of an inch*
*WIND.—Arrows show Directions and Force, flying with the wind.*
*Force above 10* — *Force 8 to 10* — *Force 5 to 7* — *Force 1 to 4* — } Calm
*SEA.—Rough* *High*



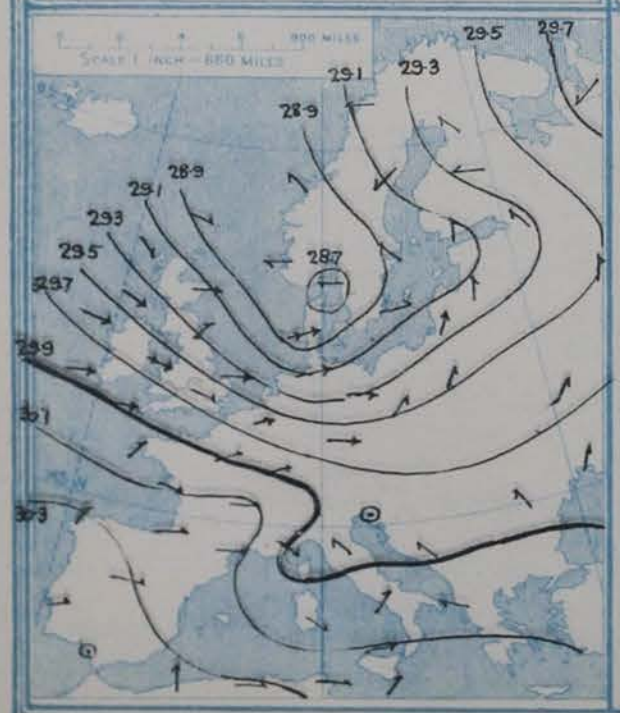

## II. TEMPERATURE AND WEATHER. *This Morning.*

*TEMPERATURE.—Isotherms are drawn for each 10°*
*WEATHER.—Shown by Letters of the Beaufort Scale.* *(See P. 4.)*
*RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus - 0·6*

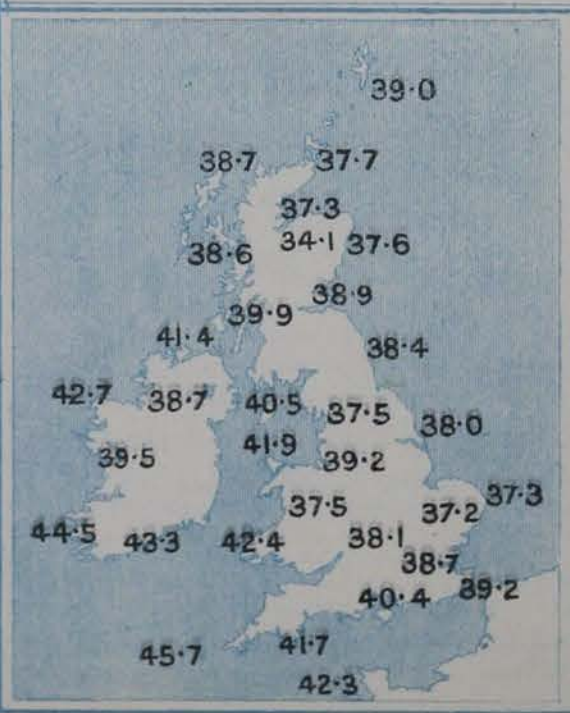



## III. BAROMETER AND WIND

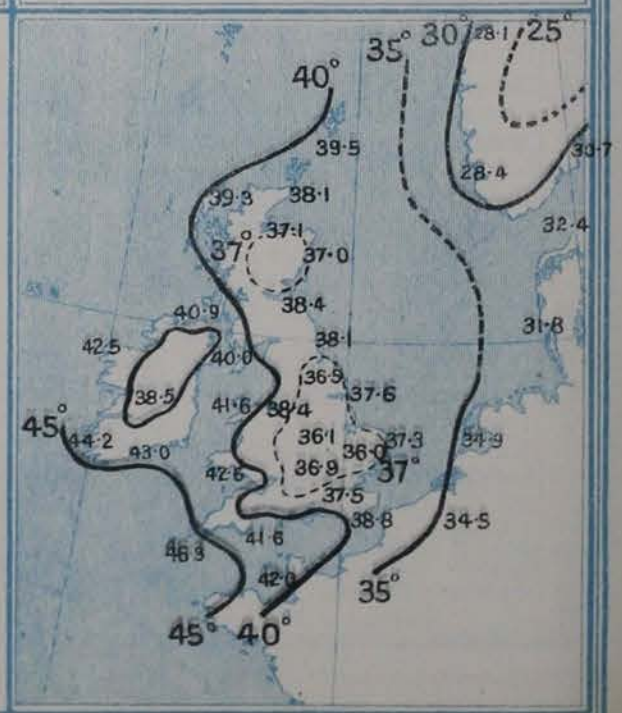
*Yesterday morning.*




## IV. *Averages of* DAILY MAXIMUM *and* MINIMUM TEMPERATURES *combined for the month of* JANUARY. *(1871–1900.)*



## V. *Means of* DAILY TEMPERATURE *at 8 A.M. for the monthly period* JANUARY *(1871–1900.)*



# GENERAL SITUATION AT 8 A.M.

**PRESSURE**

The cyclonic disturbance recently noticed in the north has moved on to Scandinavia and become still further reduced in intensity. In its rear the barometer has again risen briskly over the United Kingdom, but the appearance of some small secondary depressions from the northwestward have made the rate of rise somewhat irregular. Pressure ranges from above 30·1 ins. over the southwest of Ireland and the Bay of Biscay to below 29·2 ins. over the southern half of Scandinavia.

**WIND**

The prevailing N.W'ly. winds over the United Kingdom and its immediate neighbourhood blow freshly or strongly in several places; at Malin Head and Spurn Head there is a moderate gale, and at Holyhead a fresh gale. Over Germany the wind draws into S.W. and has little force, while over the north of Scandinavia it is mainly N'ly. or N.E'ly.

**TEMPERATURE**

Temperature has again fallen and is slightly below 32° at Parsonstown and Nairn. On the coast of Wales, the west coast of Ireland and at Scilly the readings are 40° or above. The Continental values range from 45° in Brittany and 40° at Nice to 33° at Brussels, 32° at Stockholm, and 14° at Haparanda.

**WEATHER AND SEA**

The weather is fine and bright at most of our own stations, but frequent hail showers are reported at some western stations. Over the Continent the sky is more cloudy, with rain at Rochefort and Paris, and snow in several parts of Sweden and Norway. The sea is still rough or rather so off the north of Scotland and on various parts of our western coasts, as well as off the north of Holland.

Snow or hail showers were experienced yesterday over the northern and western parts of the Kingdom, but there were also many fine intervals. In the south and southeast, where the weather was dry, there were many hours of bright sunshine – at Hastings as much as 6·3 hours. The maximum temperatures recorded yesterday were below 40° on our northeastern coasts, but as high as 46° at Nottingham and Valencia, and 47° at Scilly.

**PROBABLE CHANGES IN SYSTEM NOW PREVALENT**

A "ridge" of high pressure appears about to pass eastwards over the United Kingdom. During its passage the weather will probably be mostly fair and cold, but some local disturbances, secondary to the system over Scandinavia, may be accompanied by showers of hail, sleet or snow.

# FORECASTS*

*For the 24 hours ending at NOON on* 17TH JANUARY, 1904

| DISTRICTS. | FORECASTS. |
|---|---|
| 0 SCOTLAND NORTH | Wind between W. and N.; fair and cold generally, but sleet or snow showers locally. |
| 1 SCOTLAND EAST | |
| 2 ENGLAND N.E. | |
| 3 ENGLAND EAST | N.W'ly. or W'ly. winds, light or moderate; cold, fair generally, snow showers locally. |
| 4 MIDLAND COUNTIES | |
| 5 ENGLAND SOUTH | |
| 6 SCOTLAND WEST | Same as Nos. 0 to 2. |
| 7 ENGLAND N.W. | N.W'ly. and W'ly. winds, fresh or strong; then backing and decreasing; mostly fair, but some hail or sleet showers. |
| 8 ENGLAND S.W | |
| 9 IRELAND NORTH | |
| 10 IRELAND SOUTH | |
| WARNINGS | The North Cone is still flying in part of Dist. 0. |

*Note.*—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

# REPORTS FOR YESTERDAY.

| STATIONS. | Temperature F. Max. | Temperature F. Min. | Weather. | Sunshine. Hrs. | Rainfall. Ins. |
|---|---|---|---|---|---|
| Blackpool, to 9 p.m. ... ... | 42 | 36 | c h p, b c | 2·3 | 0·01 |
| Southport, to 9 p.m. ... ... | 42 | 37 | c, h p, b | 1·3 | 0·05 |
| Rhyl, ... ... ... ... ... | * | * | * | 1·7 | * |
| Llandudno ... ... ... ... | * | * | * | 0·0 | * |
| Bettws-y-Coed, to 6 p.m. ... | 41 | 33 | c p s, b g | 0·1 | * |
| Aberystwyth, to 6 p.m. ... | 45 | 41 | r, c | 0·0 | 0·15 |
| Plymouth, to 9 p.m. ... ... | | | | | |
| Bournemouth to 6 p.m. ... | * | * | * | 5·2 | * |
| Worthing ... ... ... ... | * | * | * | 5·3 | * |
| Brighton ... ... ... ... | 45 | * | * | 5·2 | * |
| Eastbourne, to 6 p.m. ... | * | * | * | 5·2 | * |

| STATIONS. | Temperature F. Max. | Temperature F. Min. | Weather. | Sunshine. Hrs. | Rainfall. Ins. |
|---|---|---|---|---|---|
| Hastings ... ... ... ... | * | * | * | 6·3 | * |
| Broadstairs... ... ... ... | * | * | * | 4·8 | * |
| Margate ... ... ... ... | 43 | 38 | b, c | 3·0 | – |
| Lowestoft, to 6 p.m. ... ... | | | | | |
| Skegness ... ... ... ... | * | * | * | 1·5 | * |
| Scarborough, to 6 p.m. ... | 45 | * | * | 4·3 | * |
| Harrogate, to 6 p.m. ... | 43 | 33 | c, b | 4·4 | 0·07 |
| Manchester, to 9 p.m. ... | 44 | 34 | b c g, b b s h p, r, b c | 0·2 | 0·25 |
| Darwen, to 9 p.m. ... .. | 38 | 33 | o g, c, r s h, o s | 0·2 | 0·03 |
| Birmingham, to 9 p.m. ... | 41 | 34 | b, c, b | 3·0 | – |

## TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

| STATIONS. 15th January 1904 | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|
| Copenhagen ... ... ... | 41 | 37 | f, m | 0·20 |
| Utrecht... ... ... ... ... | 45 | 37 | c, o | 0·16 |
| Groningen ... ... ... ... | 41 | 37 | c, o | 0·08 |
| Vienna ... ... ... ... ... | 43 | 41 | o, o | 0·08 |
| Marseilles ... ... ... ... | 57 | 45 | o, c | – |
| Florence ... ... ... ... | 59 | 48 | o, b | 0·04 |
| Rome ... ... ... ... ... | 54 | 52 | o, o | 0·04 |
| Naples ... ... ... ... ... | 55 | 49 | r, o | 0·20 |
| Palermo ... ... ... ... | 60 | 49 | b, o | – |
| Malta ... ... ... ... ... | 60 | 50 | ?, c | – |

| STATIONS. | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|
| Algiers ... ... ... ... | 66 | 52 | b, c | – |
| Tunis ... ... ... ... | 57 | 39 | b c, o | – |
| Madeira (Funchal) Not rcd. | | | | |
| 14th January. | 1 p.m. | * | 1 p.m. | Measured 7 a.m. |
| Geneva ... ... ... ... | 52 | * | 0 | 0·24 |
| Berne ... ... ... ... | 52 | * | 0 | 0·08 |
| Coire ... ... ... ... | 52 | * | 0 | – |
| Castasegna ... ... ... | 36 | * | 0 | – |
| Lugano ... ... ... ... | 39 | * | r | – |
| Davos ... ... .. ... | 39 | * | 0 | – |

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

### TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

| COUNTRIES, &c. | Hours of Morning Observations by Local Standard Time. | Corresponding Greenwich Times. | Hours of Evening Observations by Local Standard. | Corresponding Greenwich Times. |
|---|---|---|---|---|
| British Isles, Belgium† ... | 8 a.m. (West European) | 8 a.m. | 6 p.m.‡ (W.E.T.) | 6 p.m.‡ |
| Holland ... ... ... ... ... | 8 a.m. ( " " ) | 8 a.m. | 7 p.m. (W.E.T.) | 7 p.m. |
| Germany, Denmark, Norway, Sweden | 8 a.m. (Mid-European) | 7 a.m. | 8 p.m. (M.E.T.) | 7 p.m. |
| France ... ... ... ... ... | 7 a.m. (Paris) ... ... | 6.51 a.m. | 6 p.m. (Paris) | 5.51 p.m. |
| Spain ... ... ... ... ... | 8 a.m. (West European) | 8 a.m. | 6 p.m. (W.E.T.) | 6 p.m. |
| Portugal ... ... ... ... ... | 8 a.m. (Lisbon) ... ... | 8.36 a.m. | 3.23 p.m. (Lisbon) | 4 p.m. |
| Azores { Ponta Delgada ... ... | 6 a.m. (Local) ... ... | 7.43 a.m. | 9 p.m. (Local) | 10.43 p.m. |
| Azores { Horta ... ... ... | 6 a.m. (Local) ... ... | 7.55 a.m. | 9 p.m. (Local) | 10.55 p.m. |

### TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

| 16th January 1904. | Sunrise G.M.T. | Noon G.M.T. | Sunset G.M.T. |
|---|---|---|---|
| Yarmouth ... ... ... | 7.58 | 12.3 | 4.7 |
| Greenwich ... ... ... | 8.1 | 12.10 | 4.19 |
| Wick ... ... ... ... | 8.52 | 12.22 | 3.52 |
| Valencia ... ... ... | 8.43 | 12.51 | 4.58 |

*SUBSCRIPTIONS both for the* Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

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† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

# DAILY WEATHER REPORT

*for 8 a.m. on* Sunday, 17TH JANUARY, **1904.**

*Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London.* **W. N. SHAW,** *Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins. | Temp. Dry Bulb. ° | Wind. Direc. | Wind. Force (0 to 12.) | Weather | THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins. | Barometer. Change since Yesterday. Ins. | Temperature. Dry Bulb. ° | Temperature. Wet Bulb. ° | Temperature. Change since Yesterday. ° | Wind. Direc. | Wind. Force (0 to 12.) | Weather. | Sea (0 to 9.) | PAST 24 HOURS. Temp. Max. ° | Temp. Min. ° | Weather | Sunshine Hours | Rainfall Ins. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SCANDINAVIA | Haparanda... ... | 29.63 | 11 | NE | 2 | 0 | 29.65 | +.04 | 8 | 6 | -6 | N | 2 | 0 | * | 16 | 5 | — | * | — |
| | Hernösand ... ... | 29.19 | 18 | Z | 0 | 0 | 29.67 | +.28 | 17 | 16 | -6 | Z | 0 | 0 | * | 34 | 17 | — | * | 0.04 |
| | Stockholm ... ... | 29.41 | 33 | NE | 2 | 5 | 29.58 | +.46 | 30 | 30 | -2 | NE | 2 | 0 | * | 37 | 30 | — | * | 0.35 |
| | Wisby... ... ... | 29.34 | 33 | WNW | 6 | 7 | 29.52 | +.40 | 34 | 32 | 0 | NNW | 6 | 0 | * | 41 | 32 | — | * | 0.08 |
| | Karlstad ... ... | 29.47 | 28 | NE | 4 | 0 | 29.69 | +.54 | 24 | 24 | -6 | Z | 0 | 0 | * | * | * | — | * | 0.04 |
| | Færder (X'iania Fjord) | 29.47 | 32 | NNE | 4 | 0 | 29.68 | +.49 | 29 | 27 | 0 | NNE | 1 | 0 | 2 | 32 | 28 | — | * | — |
| | Bodö ... ... ... | 29.47 | 23 | E | 6 | c | 29.50 | +.11 | 22 | 18 | +1 | E | 4 | 6 | 2 | 23 | ? | — | * | — |
| | Christiansund ... | 29.48 | 36 | W | 5 | 5 | 29.68 | +.48 | 31 | 30 | -2 | WSW | 5 | 5 | 4 | 36 | 30 | — | * | 0.20 |
| | Skudesnaes ... | 29.58 | 36 | NW | 6 | 0 | 29.87 | +.66 | 34 | 30 | -2 | NNW | 6 | c | 2 | 36 | 30 | 0 | * | — |
| BRITISH ISLANDS. | Sumburgh Head | 29.79 | 34 | NNW | 4 | 0 | 29.89 | +.41 | 40 | 37 | +6 | WNW | 3 | 0 | 5 | 40 | 30 | c,0 | * | 0.01 |
| | Stornoway ... ... | 29.97 | 37 | N | 3 | c | 30.04 | +.32 | 38 | 37 | +6 | N | 3 | 0 | 3 | 38 | 28 | cp,c | 0.6 | 0.19 |
| | Malin Head ... | 30.09 | 41 | NW | 6 | 6cqp | 30.21 | +.41 | 42 | 42 | +3 | SW | 5 | 0 | 4 | 42 | 38 | 6cqp | * | 0.15 |
| | Blacksod Pt. ... | 30.23 | 44 | NW | 4 | 6cp | 30.20 | +.25 | 45 | 43 | +4 | SW | 4 | opm | 3 | 46 | 41 | 6,6cp | * | 0.05 |
| | Valencia ... ... | 30.33 | 45 | NW | 4 | 6c | 30.41 | +.27 | 44 | 43 | +2 | WSW | 1 | 0 | 4 | 47 | 42 | 6cp | 3.8 | 0.05 |
| | Roche's Point ... | 30.29 | 43 | NW | 1 | 6 | 30.40 | +.34 | 42 | 41 | +4 | NW | 1 | 0 | 1 | 49 | 37 | 6 | * | 0.02 |
| | Parsonstown ... | 30.23 | 38 | SW | 1 | 6 | 30.36 | +.33 | 38 | 37 | +8 | SW | 1 | c | * | 42 | 29 | — | 2.8 | — |
| | Donaghadee ... | 30.09 | 39 | W | 3 | 6cp | 30.27 | +.40 | 37 | 36 | +3 | WSW | 3 | 6c | 3 | 42 | 32 | 6cp | * | 0.08 |
| | Liverpool Obsy... | 30.06 | 38 | NW | 4 | 6 | 30.27 | +.42 | 39 | 38 | +4 | WNW | 3 | c | 3 | 40 | 35 | hp,6 | * | — |
| | Holyhead ... ... | 30.12 | 42 | NW | 7 | 6q | 30.28 | +.40 | 43 | 42 | +3 | NW | 3 | cm | 3 | 43 | 37 | 6c,6q | * | — |
| | Pembroke (St Ann's) | 30.18 | 43 | NNW | 4 | 6 | 30.35 | +.36 | 44 | 42 | +4 | NW | 4 | c | 4 | 45 | 40 | — | 4.4 | — |
| | Scilly (St. Mary's) ... | 30.26 | 46 | NNW | 4 | 6c | 30.43 | +.38 | 48 | 45 | +3 | NNW | 3 | 6 | 3 | 49 | 40 | 6c | 5.3 | 0.02 |
| | Jersey (St. Aubins) ... | | | | | | | | | | | | | | | | | | | |
| | Portland Bill ... | 30.07 | 41 | NW | 6 | c | 30.31 | +.43 | 42 | 40 | +2 | NNW | 4 | 6c | 3 | 43 | 39 | 6c,c | * | — |
| | Dungeness ... ... | 29.99 | 32 | NNW | 1 | 6 | 30.25 | +.48 | 29 | 28 | -3 | NNW | 2 | 6 | 1 | 39 | 26 | 6 | 4.1 | — |
| | Wick ... ... ... | 29.86 | 33 | NW | 2 | c | 29.96 | +.42 | 34 | 34 | 0 | Z | 0 | c | 1 | 36 | ?33 | 3p,c | * | 0.08 |
| | Nairn ... ... ... | 29.96 | 33 | WNW | 2 | c | 30.06 | +.37 | 37 | 34 | +6 | SW | 2 | 0 | 1 | 38 | 30 | — | * | 0.03 |
| | Aberdeen ... ... | 29.92 | 32 | WNW | 4 | 6 | 30.09 | +.44 | 36 | 34 | +4 | WSW | 3 | c | 2 | 36 | 30 | 6,c | 3.9 | — |
| | Leith ... ... ... | 29.95 | 35 | WNW | 1 | 6 | 30.15 | +.42 | 38 | 36 | +6 | WSW | 2 | 0 | * | 39 | 31 | — | * | — |
| | North Shields ... | 29.93 | 34 | WNW | 3 | 6 | 30.18 | +.49 | 32 | 31 | 0 | WSW | 3 | 6c | 3 | 38 | 30 | 6 | * | — |
| | Spurn Head .. | 29.90 | 37 | WNW | 5 | 6c | 30.15 | +.51 | 35 | 34 | 0 | WNW | 5 | 6c | 5 | 38 | 32 | — | * | — |
| | Yarmouth ... ... | 29.86 | 36 | NW | 5 | 6c | 30.15 | +.53 | 36 | 33 | +1 | W | 4 | 6 | 4 | 37 | 34 | 6c | * | — |
| | Clacton-on-Sea ... | 29.97 | 34 | NW | 3 | 6 | 30.23 | +.53 | 29 | 28 | -5 | WNW | 3 | 6 | 3 | 38 | 29 | — | 5.5 | — |
| | Nottingham ... | 29.98 | 36 | WNW | 2 | 6 | 30.24 | +.49 | 30 | 29 | -6 | W | 1 | 6m | * | 42 | 28 | — | 2.2 | — |
| | Bath ... ... ... | 30.04 | 34 | NW | 1 | 0 | 30.33 | +.41 | 37 | 36 | +2 | NW | 1 | 6c | * | 45 | 33 | — | 3.5 | — |
| | Oxford ... ... | 30.10 | 35 | WNW | 3 | 6 | 30.31 | +.46 | 34 | 33 | 0 | WNW | 1 | 6c | * | 41 | 33 | pzs | * | 0.01 |
| | London (Brixton) ... | 30.00 | 36 | NW | 2 | 6 | 30.27 | +.46 | 29 | 28 | -7 | WNW | 1 | 6m | * | 40 | 28 | 6,6m | 2.7 | — |
| GERMANY, &c. | The Scaw (Skagen) | 29.49 | 35 | N | 2 | 0 | 29.68 | +.49 | 34 | 34 | +2 | N | 1 | 0 | 0 | 36 | 32 | — | * | — |
| | Fanö ... ... ... | 29.54 | 35 | W | 2 | 0 | 29.81 | +.54 | 36 | 34 | +1 | WNW | 6 | 0 | * | 48 | 32 | — | * | ? |
| | Cuxhaven ... ... | 29.49 | 35 | NE | 2 | 0 | 29.88 | +.50 | 37 | 36 | +4 | NW | 4 | op.3 | * | 37 | 33 | — | * | 0.24 |
| | The Helder ... | 29.73 | 41 | NNW | 7 | 0 | 30.06 | +.61 | 39 | 36 | +1 | NNW | 4 | 6c | 4 | 41 | 36 | — | * | 0.35 |
| | Brussels ... ... | * | * | * | * | * | 30.21 | +.46 | 32 | 32 | -1 | WSW | 1 | c | * | 39 | 31 | — | * | — |
| | Berlin ... ... ... | 29.56 | 36 | SW | 4 | 0 | 29.79 | +.20 | 33 | 32 | -3 | WSW | 3 | c | * | 39 | 32 | — | * | 0.04 |
| | Frankfürt ... ... | 29.80 | 35 | W | 4 | 8 | 30.08 | +.34 | 36 | 34 | -1 | W | 2 | 6c | * | 41 | 34 | — | * | — |
| | Munich ... ... | 29.81 | 31 | W | 2 | 0 | 30.02 | +.16 | 29 | 28 | -6 | W | 5 | 8 | * | 37 | 27 | — | * | 0.16 |
| FRANCE. | C. Gris Nez ... | 29.94 | 37 | NW | 6 | 6 | ?30.19 | +.41 | 35 | 33 | -2 | NW | 4 | 6 | 4 | 41 | 34 | — | * | — |
| | Brest ... ... ... | 30.26 | 46 | NNW | 5 | 6c | 30.40 | +.34 | 47 | 43 | +2 | NNW | 4 | c | 3 | 47 | 39 | — | * | 0.04 |
| | Lorient ... ... | 30.22 | 45 | N | 5 | 6c | 30.41 | +.36 | 44 | 43 | -1 | NE | 5 | c | 4 | 50 | 41 | — | * | — |
| | Rochefort ... ... | 30.17 | 42 | N | 4 | 6 | 30.34 | +.34 | 41 | 39 | -3 | N | 5 | 6 | * | 46 | 37 | 6 | * | — |
| | Biarritz ... ... | 30.28 | 47 | NNW | 4 | 6c | 30.40 | +.27 | 47 | 39 | -7 | ESE | 1 | 7 | 3 | 50 | 37 | — | * | 0.43 |
| | Paris ... ... ... | 30.04 | 37 | NNW | 3 | 6 | 30.27 | +.39 | 30 | 30 | -8 | NNW | 1 | 0 | * | 41 | 27 | — | * | — |
| | Belfort... ... ... | 29.39 | 32 | WSW | 3 | 0 | 30.16 | +.29 | 28 | 28 | -8 | WSW | 4 | m | * | 38 | 28 | — | * | 0.12 |
| | Lyons ... ... ... | 30.06 | 34 | WNW | 1 | 6c | 30.26 | +.25 | 32 | 32 | -5 | NW | 1 | 8 | * | 41 | 32 | — | * | 0.04 |
| | Nice ... ... ... | 29.71 | 40 | ENE | 3 | c | 29.74 | -.20 | 36 | 33 | -4 | Z | 0 | c | 3 | 46 | 36 | — | * | — |
| | Perpignan ... ... | 30.08 | 45 | NW | 3 | 6c | 30.17 | +.15 | 37 | 33 | -6 | NW | 6 | 6 | * | 50 | 34 | — | * | 0.04 |
| SPAN. PEN. | Corunna ... ... | | | | | | | | | | | | | | | | | | * | |
| | Lisbon ... ... | 30.31 | 50 | SW | 4 | 6 | 30.38 | +.03 | 47 | 42 | -6 | NNE | 4 | 6 | * | 61 | 46 | — | * | — |
| | Azores (P. Delgada)... | 30.33 | 60 | SE | 5 | 6 | 30.30 | +.06 | 59 | 57 | -2 | ESE | 5 | 6c | 5 | 64 | 57 | — | * | — |
| | ,, (Horta) ... | 30.26 | 62 | S | 5 | 6 | 30.25 | +.10 | 61 | 58 | -2 | SSE | 5 | 6 | 4 | 65 | 61 | — | * | — |

**NOTE:** *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

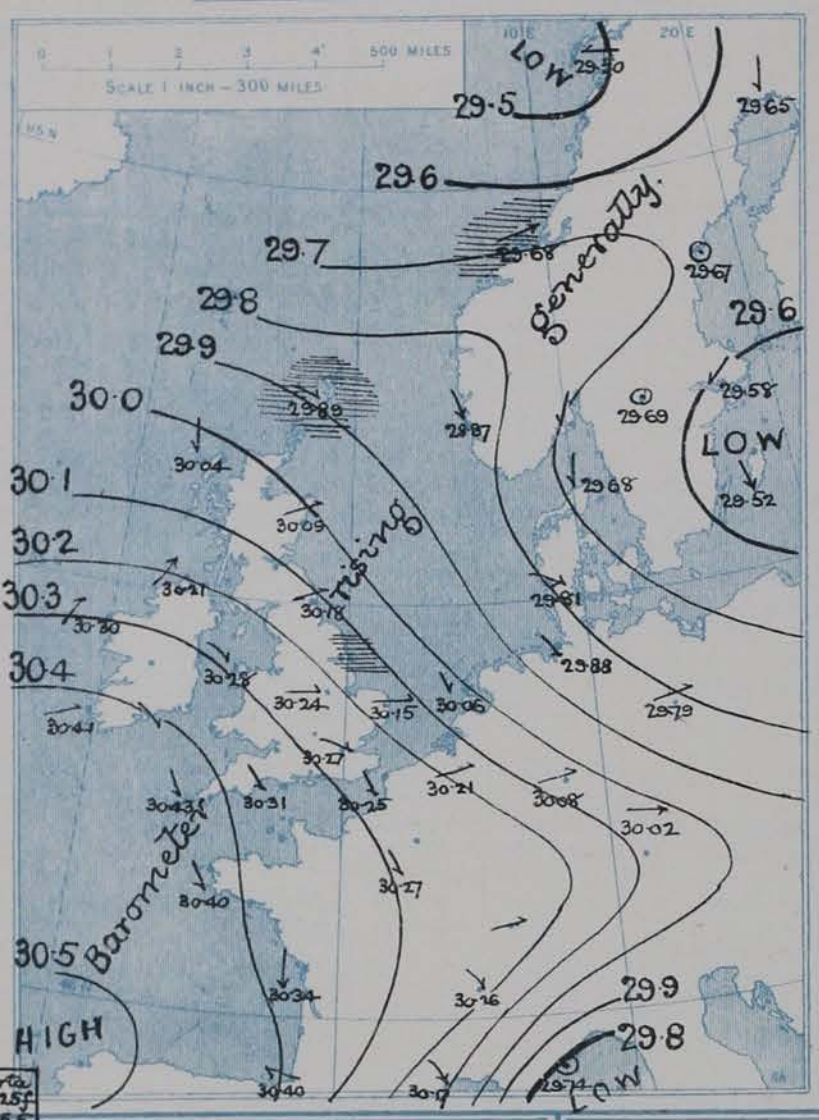
† *Observations received too late for insertion in Charts on next page.*

# WEATHER CHARTS

FOR SUNDAY, 17th JANUARY, 1904.

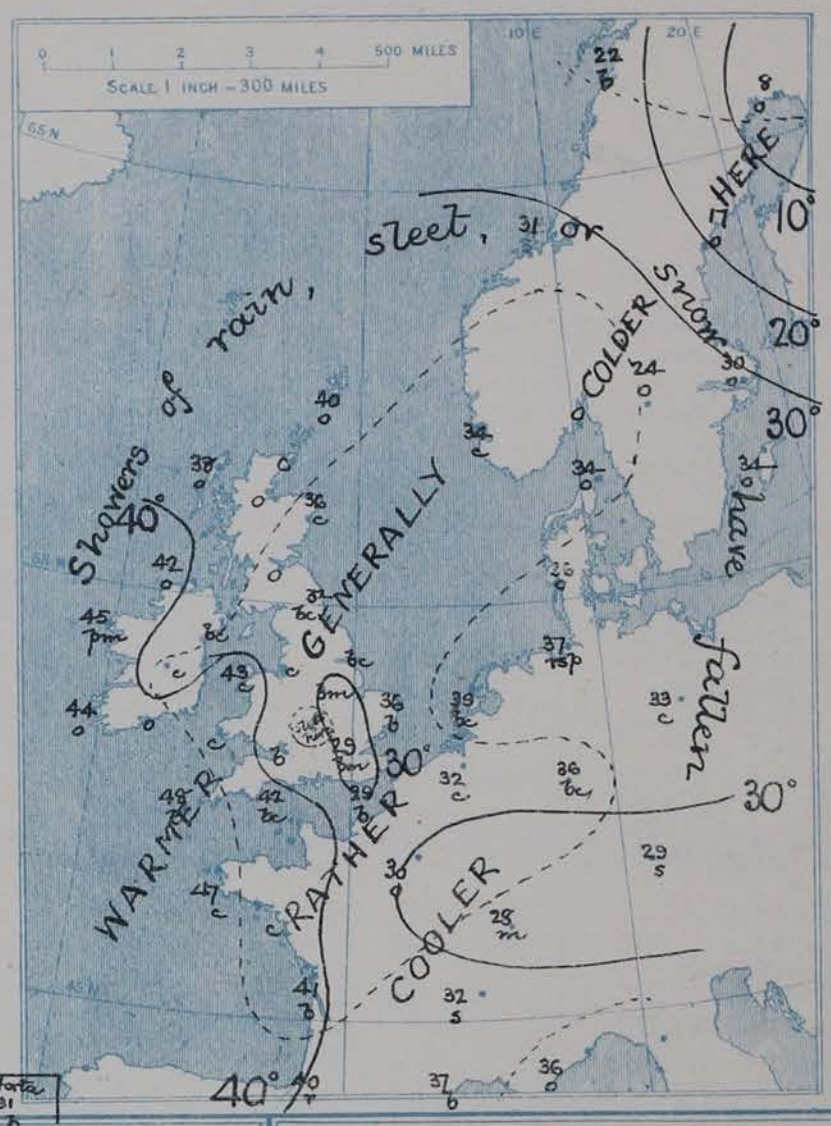
## I. BAROMETER, WIND AND SEA. *This Morning.*

*BAROMETER.—Isobars are drawn for each tenth of an inch.*
*WIND.—Arrows show Directions and Force, flying with the wind.*
*Force above 10* ; *Force 8 to 10* ; *Force 5 to 7* ; *Force 1 to 4* ; Calm
*SEA.—Rough* ; *High*



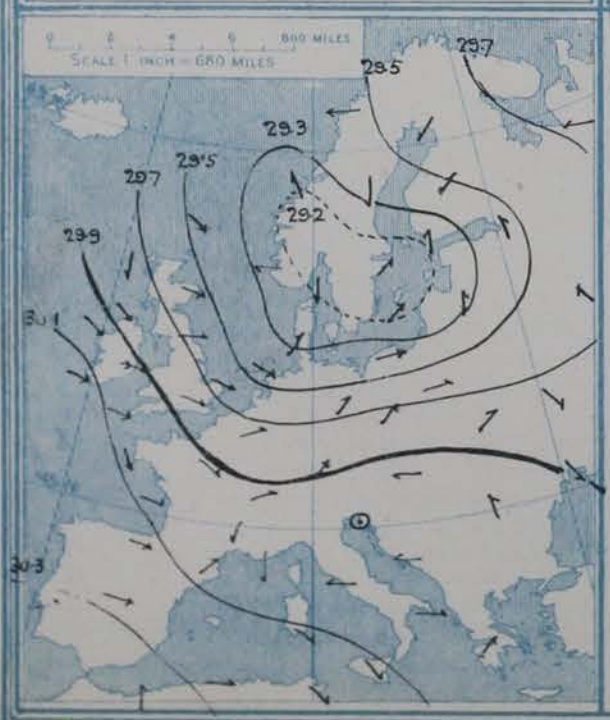

## II. TEMPERATURE AND WEATHER. *This Morning.*

*TEMPERATURE.—Isotherms are drawn for each 10°.*
*WEATHER.—Shown by Letters of the Beaufort Scale.* *(See P. 4.)*
*RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus - 0·6*

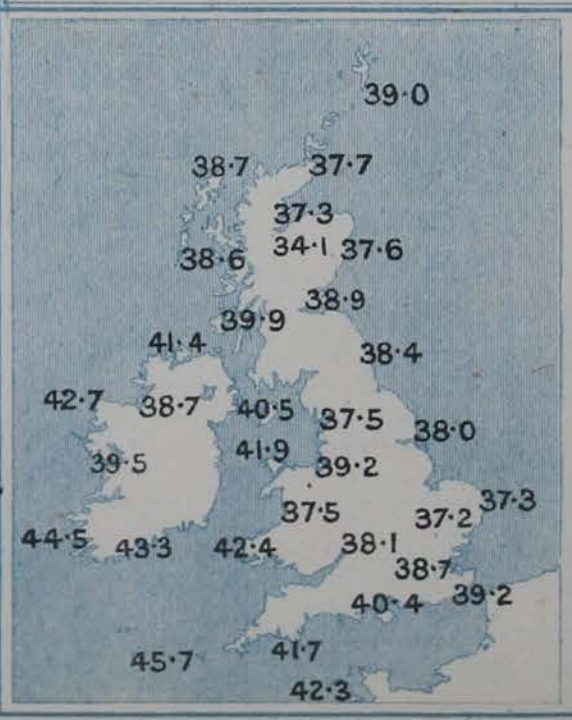



## III. BAROMETER AND WIND

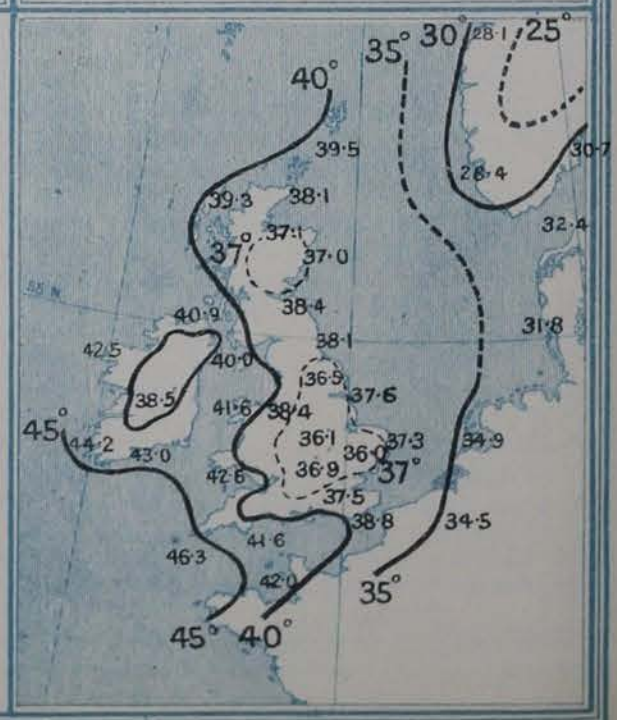
*Yesterday morning.*




## IV. *Averages of* DAILY MAXIMUM *and* MINIMUM TEMPERATURES *combined for the month of* JANUARY. *(1871–1900.)*




## V. *Means of* DAILY TEMPERATURE *at 8 A.M. for the monthly period* JANUARY *(1871–1900.)*



# GENERAL SITUATION AT 8 A.M.

**PRESSURE**

This morning's map shows a high pressure system, in which readings are above 30·5 ins, over the Bay of Biscay and the north of Spain. In addition to this three separate low pressure systems are shown (1) a system over the north Atlantic in which the lowest reading reported is 29·50 ins. at Bodö. (2) the system which has been travelling slowly eastward to the north of our Islands during the last few days and which is now situated over the east of the Baltic. (3) a fresh system which has formed over the Gulf of Genoa, and which is causing a steep gradient on the south coast of France.

**WIND TEMPERATURE WEATHER AND SEA**

The disturbance over the Atlantic has caused the wind to back to the SW^ly on our extreme western coasts, but over England and the greater part of the Continental part of our area it is NW^ly or N^ly; at Bodö it is E^ly. In intensity the wind has now become moderate or light generally, though in some exposed places it still blows freshly. A strong NW^ly wind is blowing at Perpignan. The weather is fair over the greater part of our Islands, the Netherlands and the north of France, but in the west and north it has become dull, and showers are falling at Blacksod Point. Snow is reported from Munich and Lyons, & also from Christiansund and Cuxhaven. Temperature has risen in most parts of our Islands, in spite of the fact that the wind remains NW^ly at most stations. In the Midlands and the southeast of England and also over France and Germany it has fallen somewhat, the change being most marked at the inland stations: a reading of 29° in London, is one of the lowest reported this morning. Over Scandinavia temperature has changed irregularly in the extreme northeast, at Haparanda it has fallen to 8°. The sea has moderated generally, but it is still rather rough off Sumburgh Head and also at Spurn Head.

During the past 24 hours rain or snow showers fell in Ireland and the extreme west of Britain, and also in the Midlands near Oxford. The amounts of bright sunshine experienced were in general considerably larger than those reported for many days past.

**PROBABLE CHANGES IN SYSTEM NOW PREVALENT**

---

# FORECASTS*

*For the 24 hours ending at NOON on* 18th January, 1904

| DISTRICTS. | FORECASTS. | DISTRICTS. | FORECASTS. |
|---|---|---|---|
| 0 SCOTLAND NORTH | None issued. | 6 SCOTLAND WEST | None issued. |
| 1 SCOTLAND EAST | | 7 ENGLAND N.W. | |
| 2 ENGLAND N.E. | | 8 ENGLAND S.W | |
| 3 ENGLAND EAST | | 9 IRELAND NORTH | |
| 4 MIDLAND COUNTIES | | 10 IRELAND SOUTH | |
| 5 ENGLAND SOUTH | | WARNINGS | None issued. |

*Note.*—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone

* *For terms for transmission of Forecasts by Telegraph, see next page.*

# REPORTS FOR YESTERDAY.

| STATIONS. | Temperature F. Max. | Temperature F. Min. | Weather. | Sunshine. Hrs. | Rainfall. Ins. |
|---|---|---|---|---|---|
| Blackpool, to 9 p.m. ... ... | 41 | 33 | c, b, h | 2.1 | 0.01 |
| Southport, to 9 p.m. ... ... | 41 | 35 | o, c, b | 1.9 | 0.01 |
| Rhyl, ... ... ... ... ... | * | * | * | | * |
| Llandudno ... ... ... ... | * | * | * | | * |
| Bettws-y-Coed, to 6 p.m. ... | 41 | 34 | c, ps, b | 0.4 | * |
| Aberystwyth, to 6 p.m. ... | 44 | 40 | o, c | 2.0 | — |
| Plymouth, to 9 p.m. ... ... | 44 | 37 | bcp, b | 5.1 | 0.02 |
| Bournemouth to 6 p.m. ... | | | | 5.9 | |
| Worthing ... ... ... ... | * | * | * | 6.0 | * |
| Brighton ... ... ... ... | | * | * | | * |
| Eastbourne, to 6 p.m. ... | | * | * | | * |

| STATIONS. | Temperature F. Max. | Temperature F. Min. | Weather. | Sunshine. Hrs. | Rainfall. Ins. |
|---|---|---|---|---|---|
| Hastings ... ... ... ... | * | * | * | 4.1 | * |
| Broadstairs... ... ... ... | * | * | * | | * |
| Margate ... ... ... ... | 40 | 35 | c | 4.2 | — |
| Lowestoft, to 6 p.m. ... ... | | | | | |
| Skegness ... ... ... ... | * | * | * | 5.0 | * |
| Scarborough, to 6 p.m. ... | | * | * | | * |
| Harrogate, to 6 p.m. ... | 38 | 31 | b | 6.3 | 0.05 |
| Manchester, to 9 p.m. ... | 40 | 34 | b, g, s, r | 0.0 | 0.09 |
| Darwen, to 9 p.m. ... .. | 36 | 30 | opr, s, c, bv | 1.2 | 0.08 |
| Birmingham, to 9 p.m. ... | 39 | 31 | s, c | 2.1 | 0.17 |

## TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

| STATIONS. 16th Jany, 1904 | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|
| Copenhagen ... ... ... | 41 | 37 | c, m | 0.04 |
| Utrecht... ... ... ... ... | 39 | 36 | c, o | — |
| Groningen ... ... ... ... | 41 | 34 | c, s | 0.12 |
| Vienna ... ... ... ... ... | 45 | 30 | b, o | — |
| Marseilles ... ... ... ... | 52 | 37 | b, o | — |
| Florence ... ... ... ... | 55 | 41 | b, bc | — |
| Rome ... ... ... ... ... | 57 | 41 | b, c | — |
| Naples ... ... ... ... ... | 56 | 47 | ?, b | — |
| Palermo ... ... ... ... | 65 | 49 | c, o | — |
| Malta ... ... ... ... ... | 62 | 52 | ?, c | — |

| STATIONS. | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|
| Algiers ... ... ... ... | 63 | 52 | o, b | — |
| Tunis ... ... ... ... | 61 | 43 | o, f | — |
| Madeira (Funchal) Not recd. | | | | |
| 15th January. | 1 p.m. | | 1 p.m. | Measured 7 a.m. |
| Geneva ... ... ... ... | 43 | * | o | 0.20 |
| Berne ... ... ... ... | 39 | * | o | 0.28 |
| Coire ... ... ... ... | 37 | * | o | 0.16 |
| Castasegna ... ... ... | 34 | * | b | 0.08 |
| Lugano ... ... ... ... | 48 | * | b | 0.04 |
| Davos ... ... .. ... | 30 | * | o | 0.12 |

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

### TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

| COUNTRIES, &c. | Hours of Morning Observations by Local Standard Time. | Corresponding Greenwich Times. | Hours of Evening Observations by Local Standard. | Corresponding Greenwich Times. |
|---|---|---|---|---|
| British Isles, Belgium† ... | 8 a.m. (West European) | 8 a.m. | 6 p.m.‡ (W.E.T.) | 6 p.m.‡ |
| Holland ... ... ... ... ... | 8 a.m. ( „ „ ) | 8 a.m. | 7 p.m. (W.E.T.) | 7 p.m. |
| Germany, Denmark, Norway, Sweden | 8 a.m. (Mid-European) | 7 a.m. | 8 p.m. (M.E.T.) | 7 p.m. |
| France ... ... ... ... ... | 7 a.m. (Paris) ... ... | 6.51 a.m. | 6 p.m. (Paris) | 5.51 p.m. |
| Spain ... ... ... ... ... | 8 a.m. (West European) | 8 a.m. | 6 p.m. (W.E.T.) | 6 p.m. |
| Portugal ... ... ... ... ... | 8 a.m. (Lisbon) ... ... | 8.36 a.m. | 3.23 p.m. (Lisbon) | 4 p.m. |
| Azores { Ponta Delgada ... ... | 6 a.m. (Local) ... ... | 7.43 a.m. | 9 p.m. (Local) | 10.43 p.m. |
| Azores { Horta ... ... ... | 6 a.m. (Local) ... ... | 7.55 a.m. | 9 p.m. (Local) | 10.55 p.m. |

### TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

| 17th Jany, 1904. | Sunrise G.M.T. | Noon G.M.T. | Sunset G.M.T. |
|---|---|---|---|
| Yarmouth ... ... ... | 7.57 | 12.3 | 4.9 |
| Greenwich ... ... ... | 8.0 | 12.10 | 4.21 |
| Wick ... ... ... ... | 8.50 | 12.22 | 3.54 |
| Valencia ... ... ... | 8.42 | 12.51 | 5.0 |

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FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

# DAILY WEATHER REPORT

*for 8 a.m. on Monday, 18th. January,* **1904.**

*Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London.* **W. N. SHAW,** *Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins. | Temp. Dry Bulb. ° | Wind. Direc. | Wind. Force (0 to 12.) | Weather | THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins. | Barometer. Change since Yesterday. Ins. | Temperature. Dry Bulb. ° | Temperature. Wet Bulb. ° | Temperature. Change since Yesterday. ° | Wind. Direc. | Wind. Force (0 to 12.) | Weather. | Sea (0 to 9.) | PAST 24 HOURS. Temp. Max. ° | Temp. Min. ° | Weather | Sunshine Hours | Rainfall Ins. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SCANDINAVIA | Haparanda... ... | 29.82 | 2 | N | 2 | o | 30.01 | +.36 | 3 | 2 | -5 | N | 0 | o | * | 14 | 1 | – | * | – |
| | Hernösand ... ... | 29.86 | 7 | N | 0 | b | 30.09 | +.32 | 5 | 4 | -12 | N | 0 | b | * | 21 | 5 | – | * | – |
| | Stockholm ... ... | 29.81 | 26 | NW | 2 | o | 30.04 | +.46 | 27 | 26 | -3 | NNW | 2 | ?s | * | 34 | 25 | – | * | 0.04 |
| | Wisby... ... ... | 29.80 | 32 | N | 6 | o | 29.93 | +.41 | 32 | 31 | -2 | N | 0 | s | * | 37 | 32 | – | * | 0.16 |
| | Karlstad ... ... | 29.82 | 23 | NE | 2 | o | 30.14 | +.45 | 18 | 18 | -6 | N | 2 | b | * | * | * | 9.0 | * | 0.08 |
| | Færder (X'iania Fjord) | 29.86 | 29 | WSW | 2 | b | 30.12 | +.44 | 26 | 24 | -3 | N | 5 | b | 2 | 30 | 25 | – | * | – |
| | Bodö ... ... ... | 29.80 | 26 | E | 4 | b | 29.96 | +.46 | 36 | 33 | +14 | SSW | 6 | c | 4 | ? | 22 | – | * | – |
| | Christiansund ... | 29.89 | 31 | WSW | 3 | bc | 30.02 | +.34 | 33 | 31 | +2 | SSW | 4 | o | 4 | 35 | 28 | – | * | 0.12 |
| | Skudesnaes ... | 29.89 | 36 | N | o | r | 30.13 | +.26 | 32 | 31 | -2 | E | 4 | b | 2 | 37 | 30 | o,r | * | * |
| BRITISH ISLANDS | Sumburgh Head | 29.87 | 44 | W | 3 | o | 29.89 | .00 | 45 | 45 | +5 | W | 1 | r | 4 | 45 | 39 | r,o | * | 0.18 |
| | Stornoway ... ... | 29.98 | 42 | SW | 2 | d | 29.99 | -.05 | 48 | 48 | +10 | W | 4 | r | 4 | 48 | 37 | p,o,d | 0.0 | 0.15 |
| | Malin Head ... | 30.11 | 46 | SW | 5 | rf | 30.20 | -.01 | 47 | 47 | +5 | W | 5 | fr | 4 | 47 | 40 | r,rf | * | 0.14 |
| | Blacksod Pt. ... | 30.24 | 49 | W | 4 | o | 30.31 | +.01 | 49 | 48 | +4 | WSW | 4 | om | 4 | 49 | 45 | mp,o | * | 0.19 |
| | Valencia ... ... | 30.40 | 48 | SW | 4 | om | 30.44 | +.03 | 49 | 49 | +5 | WNW | 1 | f | 4 | 49 | 42 | og,om | 0.0 | 0.05 |
| | Roche's Point ... | 30.39 | 47 | WSW | 1 | c | 30.41 | +.01 | 46 | 46 | +4 | W | 1 | c | 1 | 48 | 41 | o,c | * | – |
| | Parsonstown ... | 30.32 | 45 | W | 2 | o | 30.36 | .00 | 47 | 46 | +9 | SW | 1 | og | * | 48 | 37 | op | 0.0 | 0.14 |
| | Donaghadee ... | 30.23 | 41 | W | 2 | or | 30.23 | -.04 | 48 | 48 | +11 | W | 3 | c | 3 | 49 | 35 | or | * | 0.22 |
| | Liverpool Obsy... | 30.30 | 42 | W | 3 | o | 30.24 | -.03 | 45 | 45 | +6 | W | 6 | m | ? | 46 | 37 | m,op | * | 0.06 |
| | Holyhead ... ... | 30.30 | 45 | WSW | 2 | odpm | 30.28 | .00 | 47 | 47 | +4 | W | 4 | om | 3 | 47 | 41 | odpm | * | 0.23 |
| | Pembroke (St Ann's) | 30.37 | 46 | WNW | 2 | o | 30.32 | -.03 | 49 | 48 | +5 | NW | 4 | og | 4 | 49 | 44 | odpm | 0.6 | 0.18 |
| | Scilly (St. Mary's) ... | 30.45 | 47 | NW | 2 | ompr | 30.43 | .00 | 49 | 49 | +1 | WNW | 3 | m | 3 | 50 | 41 | o,rm | 0.8 | 0.08 |
| | Jersey (St. Aubins) ... | | | | | | | | | | | | | | | | | | | |
| | Portland Bill ... | 30.40 | 42 | N | 2 | c | 30.28 | -.03 | 46 | 46 | +4 | NW | 4 | o | 2 | 46 | 40 | bc,c | * | 0.03 |
| | Dungeness ... ... | 30.35 | 32 | NNW | 1 | c | 30.25 | .00 | 43 | 42 | +14 | WNW | 2 | rm | 1 | 43 | 29 | c | 2.6 | 0.02 |
| | Wick ... ... ... | 29.96 | 39 | W | 1 | c | 30.05 | +.09 | 43 | 43 | +9 | WSW | 1 | c | 1 | 43 | 33 | – | * | – |
| | Nairn ... ... ... | 30.03 | 41 | N | 0 | b | 30.03 | -.03 | 48 | 46 | +11 | SW | 3 | c | 1 | 48 | 36 | – | * | 0.06 |
| | Aberdeen ... ... | 30.06 | 41 | WSW | 3 | o | 30.06 | -.03 | 40 | 40 | +4 | SW | 1 | ofdp | 2 | 42 | 35 | c,opd | 0.2 | 0.15 |
| | Leith ... ... ... | 30.13 | 43 | WSW | 2 | o | 30.12 | -.03 | 48 | 47 | +10 | WSW | 3 | c | * | 48 | 36 | – | * | – |
| | North Shields ... | 30.18 | 42 | SW | 2 | o | 30.11 | -.07 | 46 | 45 | +14 | WSW | 3 | p | 3 | 46 | 31 | – | * | 0.04 |
| | Spurn Head .. | 30.25 | 37 | WSW | 3 | b | 30.12 | -.03 | 41 | 40 | +6 | W | 1 | omd | 3 | 42 | 34 | – | * | 0.01 |
| | Yarmouth ... ... | 30.24 | 35 | WNW | 4 | bm | 30.16 | +.01 | 38 | 37 | +2 | WSW | 3 | f | 3 | 39 | 32 | bc,bm | * | 0.02 |
| | Clacton-on-Sea ... | 30.32 | 34 | WNW | 1 | b | 30.23 | .00 | 37 | 37 | +8 | WSW | 2 | r | 2 | 38 | 28 | bc,b,omr | 5.6 | 0.07 |
| | Nottingham ... | 30.31 | 36 | N | 0 | c | 30.19 | -.05 | 42 | 42 | +12 | WSW | 1 | f | * | 42 | ?30 | bm,o | 2.0 | 0.07 |
| | Bath ... ... ... | 30.32 | 38 | W | 1 | o | 30.28 | -.05 | 46 | 45 | +9 | W | 1 | c | * | 46 | 36 | – | 4.5 | 0.15 |
| | Oxford ... ... | 30.39 | 38 | W | 1 | bc | 30.27 | -.04 | 42 | 42 | +8 | WSW | 2 | or | * | 44 | 34 | o,bc,r | * | 0.07 |
| | London (Brixton) ... | 30.35 | 35 | NW | 1 | om | 30.24 | -.03 | 40 | 40 | +11 | W | 2 | odgm | * | 40 | 29 | bm | 0.3 | 0.05 |
| GERMANY, &c. | The Scaw (Skagen) | 29.91 | 35 | N | 3 | b | 30.05 | +.37 | 29 | 29 | -5 | ENE | 5 | o | 1 | 36 | 28 | – | * | – |
| | Fanö ... ... ... | 30.06 | 35 | NW | 2 | b | 30.04 | +.23 | 33 | 33 | -3 | N | 2 | o | * | 41 | 32 | – | * | 0.12 |
| | Cuxhaven ... ... | 30.11 | 36 | W | 2 | b | 30.04 | +.16 | 38 | 38 | +1 | W | 5 | o | * | 39 | 36 | – | * | 0.08 |
| | The Helder ... | 30.22 | 39 | NNW | 2 | b | 30.15 | +.09 | 40 | 39 | +1 | W | 3 | o | 2 | 40 | 36 | – | * | – |
| | Brussels ... ... | * | * | * | * | * | 30.32 | +.11 | 33 | 32 | +1 | SW | 2 | o | * | 37 | 31 | – | * | 0.08 |
| | Berlin ... ... ... | 30.04 | 34 | WNW | 3 | b | 30.10 | +.31 | 31 | 31 | -2 | W | 3 | o | * | 36 | 28 | – | * | – |
| | Frankfürt ... ... | 30.27 | 34 | W | 1 | c | 30.33 | +.25 | 33 | 33 | -3 | SW | 1 | o | * | 39 | 32 | – | * | – |
| | Munich ... ... | 30.19 | 28 | W | 6 | o | ?30.49 | +.47 | 26 | 26 | -3 | W | 5 | s | * | 30 | 26 | – | * | 0.04 |
| FRANCE. | C. Gris Nez ... | 30.30 | 38 | NNW | 4 | b | 30.26 | +.07 | 43 | 41 | +8 | WSW | 4 | o | 2 | 41 | 35 | – | * | – |
| | Brest ... ... ... | 30.46 | 47 | NNW | 3 | o | 30.41 | +.01 | 47 | 47 | 0 | NNW | 3 | o | 3 | 50 | 45 | – | * | – |
| | Lorient ... ... | 30.47 | 48 | NW | 3 | o | 30.45 | +.04 | 48 | 46 | +4 | NNW | 3 | o | 2 | 50 | 44 | – | * | – |
| | Rochefort ... ... | 30.37 | 46 | NNW | 4 | o | 30.43 | +.09 | 37 | 36 | -4 | NNW | 1 | c | * | 46 | 34 | – | * | – |
| | Biarritz ... ... | 30.52 | 45 | N | 0 | b | 30.51 | +.11 | 51 | 42 | +11 | N | 0 | b | 2 | 51 | 40 | – | * | 0.24 |
| | Paris ... ... ... | 30.39 | 32 | NNW | 2 | b | 30.41 | +.14 | 27 | 27 | -3 | SW | 2 | o | * | 39 | 25 | – | * | – |
| | Belfort... ... ... | 30.28 | 30 | WSW | 4 | s | ?30.39 | +.23 | 23 | 23 | -5 | WSW | 3 | f | * | 33 | 23 | – | * | 0.04 |
| | Lyons ... ... ... | 30.36 | 32 | NW | 2 | o | 30.43 | +.17 | 30 | 29 | -2 | NNW | 2 | c | * | 36 | 29 | – | * | – |
| | Nice ... ... ... | 29.88 | 43 | N | 0 | b | 30.05 | +.31 | 35 | 27 | -1 | ENE | 1 | b | 4 | 52 | 34 | – | * | – |
| | Perpignan ... ... | 30.32 | 41 | NW | 5 | b | 30.27 | +.10 | 39 | 34 | +2 | NW | 5 | b | * | 44 | 34 | – | * | 0.04 |
| SPAN. PEN. | Corunna ... ... | | | | | | | | | | | | | | | | | | * | |
| | Lisbon ... ... | 30.39 | 50 | NNE | 4 | b | 30.41 | +.03 | 44 | 41 | -3 | NNE | 4 | b | * | 55 | 43 | – | * | – |
| | Azores (P. Delgada)... | 30.28 | 60 | SE | 5 | r | 30.24 | -.06 | 60 | 56 | +1 | SSE | 5 | bc | 5 | 64 | 57 | – | * | – |
| | ,, (Horta) ... | 30.18 | 60 | SSE | 5 | b | 30.15 | -.10 | 61 | 60 | 0 | SE | 5 | r | ? | 63 | 57 | – | * | 0.79 |

**NOTE:** *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

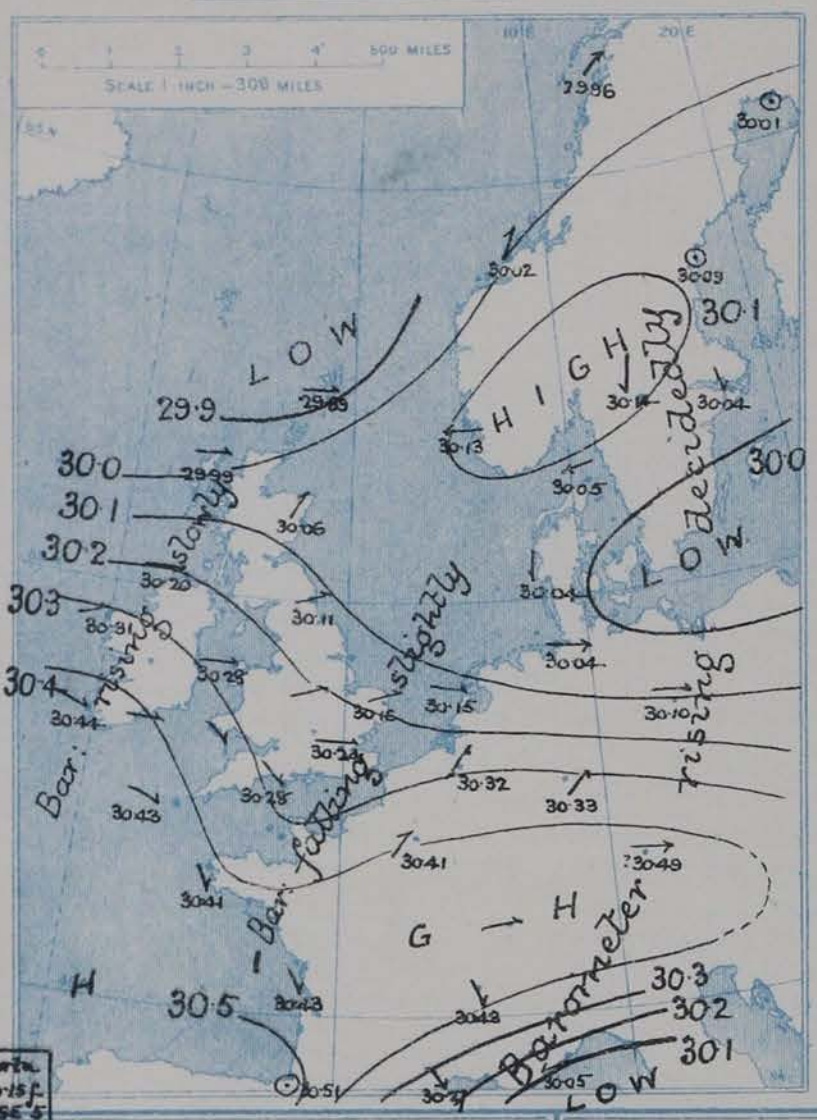
† *Observations received too late for insertion in Charts on next page.*

# WEATHER CHARTS

FOR MONDAY, 18TH JANUARY, 1904.

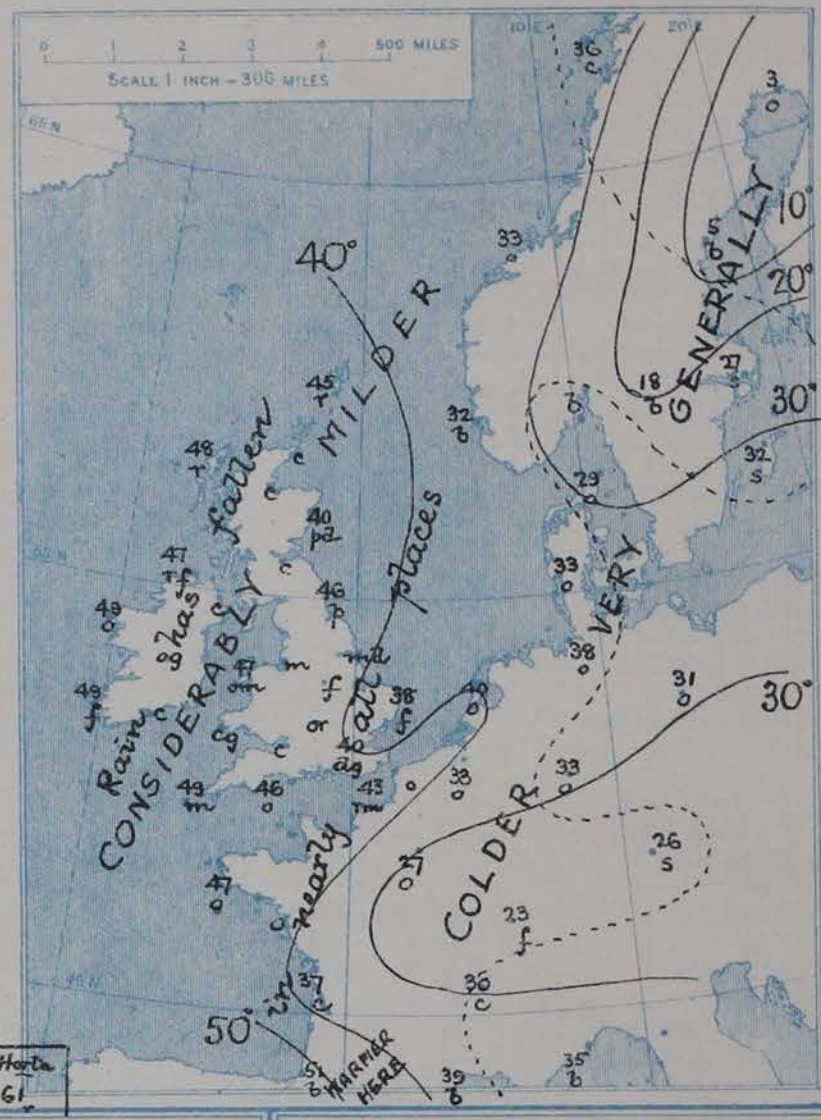
## I. BAROMETER, WIND AND SEA. *This Morning.*

*BAROMETER.—Isobars are drawn for each tenth of an inch.*
*WIND.—Arrows show Directions and Force, flying with the wind.*
*Force above 10* ⟶ : *Force 5 to 7* ⟶ : } Calm ⊙
*Force 8 to 10* ⟶ : *Force 1 to 4* ⟶
*SEA—Rough* *High*




## II. TEMPERATURE AND WEATHER. *This Morning.*

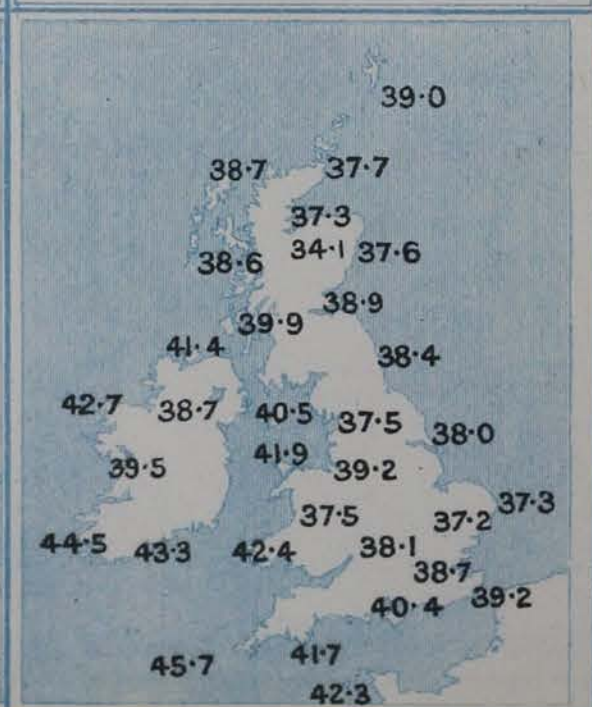
*TEMPERATURE.—Isotherms are drawn for each 10°.*
*WEATHER.—Shown by Letters of the Beaufort Scale. (See P. 4.)*
*RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus - 0·6*




## III. BAROMETER AND WIND

*Yesterday morning.*

## IV *Averages of* DAILY MAXIMUM *and* MINIMUM TEMPERATURES *combined for the month of* JANUARY. *(1871–1900.)*




## V. *Means of* DAILY TEMPERATURE *at 8 A.M. for the monthly period* JANUARY *(1871–1900.)*

# GENERAL SITUATION AT 8 A.M.

**PRESSURE**

The changes in the distribution of pressure during the past day have been very irregular, with the result that a large area in which the barometer stands at above 30·4 ins. extends from the Atlantic over the extreme south of Ireland, the Bay of Biscay, and the greater part of France to South Germany, while a smaller anticyclonic area in which the barometer is not much above 30·1 ins. has been formed over the south of Scandinavia. The mercury is lowest, 29·9 ins. and less, in a depression to the northward of Scotland and is nearly as low in another system over the Baltic, while a small and rather ill-defined secondary has appeared over our southern and southeastern counties and a low pressure area is still shown over the Gulf of Genoa.

**WIND**

The wind is chiefly W'ly. over our Islands and their neighbourhood and is light or moderate in force. Over Scandinavia it is more variable, being moderate to strong from the S.W'd. in the west and northwest of Norway, N'ly. in the south of Sweden, and E'ly. at Skudesnaes.

**TEMPERATURE**

Temperature has risen over the United Kingdom, the change in many parts of Great Britain amounting to more than 10°. It is now above the average in almost all places; at many Scotch, Welsh, and Irish stations the readings range between 47° and 49°, whence they decrease to 42° over Central England, 38° at Yarmouth, and to 37° at Clacton. Over the Continental portion of our area the thermometer has fallen, and readings now vary from 47° at Brest to 23° at Belfort and from 38° at Cuxhaven to 5° and 3° respectively at Hernösand and Haparanda.

**WEATHER AND SEA**

The sky has become very cloudy or overcast generally, with mist or fog in places, and with slight rain in many parts of Great Britain. Over the southern parts of Scandinavia the sky is mostly clear, but snow is reported from Visby. Snow is also falling at Munich. The sea is moderate to smooth.

The highest temperatures recorded during the past 24 hours have been 50° at Brest and Scilly, but the thermometer rose within a degree or two of that point at several of our western and at some of our northern stations. Rain has fallen in nearly all places but the amounts have been small. Much bright sunshine was experienced yesterday over England, but little or none in Ireland and Scotland. At Clacton and Harrogate there were 5·6 hrs. and at Bournemouth 5·7 hrs.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

With the distribution of pressure now prevalent over our area the mild and humid Westerly wind current will probably continue during the ensuing 24 hours, and very little modification of the weather conditions now prevalent is to be expected. Our western and northwestern coasts, however, are likely to be affected by depressions moving N.N.E.wds. over the Atlantic.

# FORECASTS*

*For the 24 hours ending at NOON on 19TH JANUARY, 1904*

| DISTRICTS. | FORECASTS. |
|---|---|
| 0 SCOTLAND NORTH<br>1 SCOTLAND EAST<br>2 ENGLAND N.E. | Wind chiefly W'ly., increasing in force; mild, occasional rain. |
| 3 ENGLAND EAST<br>4 MIDLAND COUNTIES<br>5 ENGLAND SOUTH | Wind mainly W'ly., light; dull, misty, damp, slight rain today, some improvement by tomorrow. |
| 6 SCOTLAND WEST<br>7 ENGLAND N.W.<br>8 ENGLAND S.W<br>9 IRELAND NORTH<br>10 IRELAND SOUTH | W'ly. winds, moderate, backing later; cloudy or dull, some mist or fog. |
| WARNINGS | None issued. |

*Note.*—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

# REPORTS FOR YESTERDAY.

| STATIONS. | Temperature F. Max. | Temperature F. Min. | Weather. | Sunshine. Hrs. | Rainfall. Ins. |
|---|---|---|---|---|---|
| Blackpool, to 9 p.m. ... ... | 46 | 34 | 8, c, r | 3.4 | 0.01 |
| Southport, to 9 p.m. ... ... | 44 | 36 | 8c, c, or | 3.8 | – |
| Rhyl, ... ... ... ... ... ... | * | * | * | 2.6 | * |
| Llandudno ... ... ... ... | * | * | * | 2.8 | * |
| Bettws-y-Coed, to 6 p.m. ... | 45 | 35 | 8c, o | 3.1 | * |
| Aberystwyth, to 6 p.m. ... | 46 | 41 | c | 4.0 | – |
| Plymouth, to 9 p.m. ... ... | | | | | |
| Bournemouth to 6 p.m. ... | * | * | * | 5.6 | * |
| Worthing ... ... ... ... | * | * | * | 4.9 | * |
| Brighton ... ... ... ... | 42 | * | * | 4.5 | * |
| Eastbourne, to 6 p.m. ... | 42 | * | * | 5.0 | * |

| STATIONS. | Temperature F. Max. | Temperature F. Min. | Weather. | Sunshine. Hrs. | Rainfall. Ins. |
|---|---|---|---|---|---|
| Hastings ... ... ... ... | * | * | * | 4.1 | * |
| Broadstairs... ... ... ... | * | * | * | | * |
| Margate ... ... ... ... | 38 | 33 | 8 | 4.0 | – |
| Lowestoft, to 6 p.m. ... ... | | | | | |
| Skegness ... ... ... ... | * | * | * | 4.4 | * |
| Scarborough, to 6 p.m. ... | 43 | * | * | 4.8 | * |
| Harrogate, to 6 p.m. ... | 42 | 29 | 8c, 8 | 5.6 | – |
| Manchester, to 9 p.m. ... | 42 | 28 | 0gr | 0.0 | 0.02 |
| Darwen, to 7 p.m. ... .. | 40 | 29 | 8, o, c, omr | 0.1 | – |
| Birmingham, to 9 p.m. ... | | | | | |

## TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

| STATIONS. 17th Jany 1904 | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|
| Obsns. not received. | | | | |
| Copenhagen ... ... ... | | | | |
| Utrecht... ... ... ... ... | | | | |
| Groningen ... ... ... ... | | | | |
| Vienna ... ... ... ... ... | | | | |
| Marseilles ... ... ... ... | | | | |
| Florence ... ... ... ... | | | | |
| Rome ... ... ... ... ... | | | | |
| Naples ... ... ... ... ... | | | | |
| Palermo ... ... ... ... | | | | |
| Malta ... ... ... ... ... | | | | |

| STATIONS. | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|
| Obsns. not received. | | | | |
| Algiers ... ... ... ... | | | | |
| Tunis ... ... ... ... | | | | |
| Madeira (Funchal) ... ... | | | | |
| 16th January. | 1 p.m. | * | 1 p.m. | Measured 7 a.m. |
| Geneva ... ... ... ... | 41 | * | 0 | — |
| Berne ... ... ... ... | 36 | * | 0 | 0.08 |
| Coire ... ... ... ... | 36 | * | 0 | 0.04 |
| Castasegna ... ... ... | 37 | * | 0 | — |
| Lugano ... ... ... ... | 41 | * | 8c | — |
| Davos ... ... .. ... | 28 | * | 8 | — |

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

### TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

| COUNTRIES, &c. | Hours of Morning Observations by Local Standard Time. | Corresponding Greenwich Times. | Hours of Evening Observations by Local Standard. | Corresponding Greenwich Times. |
|---|---|---|---|---|
| British Isles, Belgium† ... | 8 a.m. (West European) | 8 a.m. | 6 p.m.‡ (W.E.T.) | 6 p.m.‡ |
| Holland ... ... ... ... ... | 8 a.m. ( „ „ ) | 8 a.m. | 7 p.m. (W.E.T.) | 7 p.m. |
| Germany, Denmark, Norway, Sweden | 8 a.m. (Mid-European) | 7 a.m. | 8 p.m. (M.E.T.) | 7 p.m. |
| France ... ... ... ... ... | 7 a.m. (Paris) ... ... | 6.51 a.m. | 6 p.m. (Paris) | 5.51 p.m. |
| Spain ... ... ... ... ... | 8 a.m. (West European) | 8 a.m. | 6 p.m. (W.E.T.) | 6 p.m. |
| Portugal ... ... ... ... ... | 8 a.m. (Lisbon) ... ... | 8.36 a.m. | 3.23 p.m. (Lisbon) | 4 p.m. |
| Azores { Ponta Delgada ... ... | 6 a.m. (Local) ... ... | 7.43 a.m. | 9 p.m. (Local) | 10.43 p.m. |
| Azores { Horta ... ... ... | 6 a.m. (Local) ... ... | 7.55 a.m. | 9 p.m. (Local) | 10.55 p.m. |

### TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

| 18th Jany 1904 | Sunrise G.M.T. | Noon G.M.T. | Sunset G.M.T. |
|---|---|---|---|
| Yarmouth ... ... ... | 7.55 | 12.3 | 4.11 |
| Greenwich ... ... ... | 7.59 | 12.10 | 4.23 |
| Wick ... ... ... ... | 8.48 | 12.22 | 3.57 |
| Valencia ... ... ... | 8.41 | 12.51 | 5.2 |

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† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

# DAILY WEATHER REPORT

*for 8 a.m. on* Tuesday, 19th January, **1904.**

*Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London.* **W. N. SHAW,** *Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins. | Temp. Dry Bulb. ° | Wind. Direc. | Wind. Force (0 to 12.) | Weather | THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M. S. L. Ins. | Change since Yesterday. Ins. | Temperature. Dry Bulb. ° | Wet Bulb. ° | Change since Yesterday. ° | Wind. Direc. | Wind. Force (0 to 12.) | Weather. | Sea (0 to 9.) | PAST 24 HOURS. Temp. Max. ° | Temp. Min. ° | Weather | Sunshine Hours | Rainfall. Ins. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SCANDINAVIA | Haparanda... ... | 29.97 | 12 | S | 2 | b | 29.63 | -.38 | 15 | 15 | +12 | W | 2 | o | * | ? | 3 | – | * | 0.08 |
| | Hernösand ... ... | 30.11 | 18 | N | 0 | b | 30.10 | +.01 | 27 | 26 | +22 | W | 2 | o | * | 27 | 3 | – | * | – |
| | Stockholm ... ... | 30.32 | 27 | N | 0 | o | 30.36 | +.32 | 25 | 24 | -2 | SW | 1 | o | * | 28 | 25 | – | * | – |
| | Wisby... ... ... | 30.25 | 24 | N | 0 | b | 30.43 | +.50 | 30 | 29 | -2 | N | 0 | b | * | 34 | 23 | – | * | 0.20 |
| | Karlstad ... ... | 30.30 | 15 | N | 0 | o | 30.37 | +.22 | 27 | 27 | +9 | WNW | 4 | o | * | * | * | – | * | – |
| | Færder (X'iania Fjord) | 30.28 | 25 | NE | 1 | b | 30.33 | +.21 | 32 | 31 | +6 | WSW | 4 | b | 2 | 32 | 25 | – | * | – |
| | Bodö ... ... ... | 29.72 | 37 | ESE | 4 | o | 29.67 | -.29 | 36 | 36 | o | SW | 6 | b | 4 | 37 | 32 | – | * | 0.16 |
| | Christiansund ... | 29.82 | 41 | SW | 8 | r | 30.14 | +.12 | 42 | 39 | +9 | SW | 8 | c | 6 | 43 | 33 | – | * | 0.08 |
| | Skudesnaes ... | 30.25 | 34 | S | 8 | o | 30.39 | +.26 | 35 | 35 | +3 | SSE | 4 | o | 4 | 35 | 30 | b,o | * | * |
| BRITISH ISLANDS. | Sumburgh Head | 29.94 | 37 | W | 4 | r | 30.29 | +.40 | 44 | 41 | -1 | W | 2 | o | 4 | 47 | 42 | r | * | 0.27 |
| | Stornoway ... ... | 30.13 | 49 | WNW | 3 | o | 30.32 | +.33 | 38 | 38 | -10 | W | 2 | c | 2 | 51 | 36 | o | 0.0 | 0.09 |
| | Malin Head ... | 30.31 | 45 | WSW | 5 | f | 30.44 | +.24 | 44 | 44 | -3 | W | 4 | f | 3 | 47 | 44 | f | * | 0.03 |
| | Blacksod Pt. ... | 30.42 | 48 | W | 3 | of | 30.49 | +.18 | 46 | 46 | -3 | SW | 3 | of | 3 | 49 | 45 | om,of | * | 0.05 |
| | Valencia ... ... | 30.52 | 47 | N | 0 | df | 30.55 | +.11 | 46 | 46 | -3 | N | 0 | fd | 3 | 50 | 45 | bf | 0.0 | 0.06 |
| | Roche's Point ... | 30.48 | 50 | NNW | 1 | bc | 30.55 | +.14 | 47 | 47 | +1 | WNW | 1 | om | 1 | 52 | 45 | c,bc | * | – |
| | Parsonstown ... | 30.46 | 48 | WNW | 2 | o | 30.52 | +.16 | 45 | 44 | -2 | N | 0 | omg | * | 51 | 43 | omg | 0.0 | 0.03 |
| | Donaghadee ... | 30.33 | 50 | W | 3 | c | 30.44 | +.21 | 47 | 46 | -1 | W | 2 | c | 2 | 52 | 45 | – | * | – |
| | Liverpool Obsy... | 30.34 | 43 | W | 4 | o | 30.46 | +.22 | 43 | 43 | -2 | WNW | 1 | m | ? | 47 | 43 | omp | * | 0.03 |
| | Holyhead ... ... | 30.34 | 48 | WNW | 3 | cm | 30.47 | +.19 | 47 | 47 | 0 | NW | 2 | om | 2 | 49 | 45 | cm | * | – |
| | Pembroke (St Ann's) | 30.39 | 49 | NW | 4 | bc | 30.46 | +.14 | 47 | 46 | -2 | NNW | 3 | og | 2 | 50 | 46 | bc,gm | 0.2 | 0.02 |
| | Scilly (St. Mary's) ... | 30.43 | 51 | WNW | 3 | o | 30.47 | +.04 | 48 | 46 | -1 | NNE | 4 | o | 3 | 51 | 46 | m,o | 0.0 | 0.02 |
| | Jersey (St. Aubins) ... | | | | | | | | | | | | | | | | | | | |
| | Portland Bill ... | 30.32 | 48 | NW | 4 | o | 30.39 | +.11 | 48 | 47 | +2 | NW | 4 | cw | 3 | 50 | 46 | c | * | 0.01 |
| | Dungeness ... ... | 30.24 | 45 | N | 1 | f | 30.33 | +.08 | 43 | 43 | o | E | 2 | f | 1 | 45 | 41 | f,rm | 0.0 | 0.12 |
| | Wick ... ... ... | 30.12 | 44 | WNW | 3 | c | 30.35 | +.30 | 40 | 39 | -3 | WNW | 2 | bc | 2 | 48 | 38 | – | * | 0.05 |
| | Nairn ... ... ... | 30.13 | 49 | W | 3 | c | 30.37 | +.34 | 38 | 37 | -10 | N | 0 | c | 1 | 53 | 35 | – | * | 0.01 |
| | Aberdeen ... ... | 30.12 | 50 | W | 4 | om | 30.42 | +.36 | 39 | 38 | -1 | WSW | 2 | bcm | 2 | 51 | 37 | cf,pon | 0.0 | 0.02 |
| | Leith ... ... ... | 30.16 | 51 | W | 3 | o | 30.42 | +.30 | 47 | 46 | -1 | NW | 1 | om | * | 52 | 45 | – | * | – |
| | North Shields ... | 30.20 | 49 | WSW | 2 | op | 30.43 | +.32 | 46 | 45 | o | SW | 2 | o | 2 | 50 | 44 | cp | * | 0.11 |
| | Spurn Head .. | 30.21 | 44 | WNW | 4 | o | 30.36 | +.24 | 43 | 42 | +2 | NE | 3 | o | 3 | 45 | 39 | – | * | 0.03 |
| | Yarmouth ... ... | 30.18 | 43 | N | 2 | f | 30.31 | +.15 | 40 | 39 | +2 | SSE | 4 | od | 4 | 46 | 36 | f | * | 0.19 |
| | Clacton-on-Sea ... | 30.24 | 42 | NNW | 2 | f | 30.36 | +.13 | 40 | 40 | +3 | ENE | 2 | r | 1 | 43 | 37 | om,fd | 0.0 | 0.30 |
| | Nottingham ... | 30.26 | 49 | WNW | 1 | o | 30.39 | +.20 | 48 | 47 | +6 | N | 2 | r | * | 50 | 42 | cm,o | 0.0 | 0.05 |
| | Bath ... ... ... | ?30.37 | 47 | W | 1 | o | 30.42 | +.14 | 49 | 47 | +3 | NW | 1 | c | * | 52 | 40 | – | 0.0 | – |
| | Oxford ... ... | 30.33 | 49 | W | 2 | o | 30.41 | +.14 | 47 | 46 | +5 | N | 1 | opd | * | 50 | 42 | opd | * | – |
| | London (Brixton) ... | 30.27 | 49 | NW | 3 | of | 30.36 | +.12 | 49 | 47 | +9 | N | 2 | om | * | 50 | 39 | opdgm | 0.0 | 0.04 |
| GERMANY, &c. | The Scaw (Skagen) | 30.31 | 30 | SE | 1 | o | 30.42 | +.37 | 30 | 30 | +1 | WSW | 2 | o | o | ? | 28 | – | * | – |
| | Fanö ... ... ... | 30.32 | 29 | NE | 1 | b | 30.45 | +.41 | 30 | 29 | -3 | NE | 1 | o | * | 36 | 28 | – | * | – |
| | Cuxhaven ... ... | 30.23 | 32 | NNE | 4 | b | 30.42 | +.38 | 30 | 30 | -8 | E | 2 | o | * | 38 | 30 | – | * | – |
| | The Helder ... | 30.23 | 36 | E | 2 | o | 30.42 | +.27 | 32 | 30 | -8 | ESE | 1 | c | 1 | 41 | 32 | – | * | – |
| | Brussels ... ... | * | * | * | * | * | 30.40 | +.08 | 29 | 29 | -4 | ENE | 2 | o | * | 37 | 28 | – | * | 0.08 |
| | Berlin ... ... ... | 30.01 | 31 | W | 4 | s | 30.40 | +.30 | 28 | 27 | -3 | NE | 2 | o | * | 34 | 25 | – | * | 0.39 |
| | Frankfürt ... ... | 30.18 | 34 | SW | 2 | s | 30.31 | -.02 | 29 | 28 | -4 | N | 2 | s | * | 39 | 28 | – | * | – |
| | Munich ... ... | 30.21 | 24 | W | 5 | b | 30.17 | -.12 | 24 | 24 | -2 | W | 3 | o | * | 28 | 23 | – | * | – |
| FRANCE. | C. Gris Nez ... | 30.22 | 43 | NNW | 4 | f | 30.30 | +.04 | 40 | 40 | -3 | E | 3 | f | 2 | 46 | 39 | – | * | 0.24 |
| | Brest ... ... ... | 30.43 | 49 | N | 3 | o | 30.43 | +.02 | 51 | 50 | +4 | N | 3 | o | 3 | 51 | 47 | – | * | – |
| | Lorient ... ... | 30.38 | 50 | NW | 3 | c | 30.41 | -.04 | 51 | 50 | +3 | N | 3 | o | 2 | 52 | 48 | – | * | – |
| | Rochefort ... ... | 30.34 | 48 | SW | 4 | r | 30.28 | -.15 | 48 | 48 | +11 | NNW | 4 | r | * | 48 | 37 | r | * | 0.12 |
| | Biarritz ... ... | | | | | | | | | | | | | | | | | | * | |
| | Paris ... ... ... | 30.28 | 35 | SSW | 3 | r | 30.31 | -.10 | 37 | 37 | +10 | NNE | 2 | o | * | 38 | 27 | – | * | 0.08 |
| | Belfort... ... ... | 30.28 | 28 | WSW | 2 | m | ?30.19 | -.20 | 26 | 25 | +3 | W | 3 | m | * | 30 | ? | – | * | – |
| | Lyons ... ... ... | 30.39 | 31 | N | 2 | b | 30.25 | -.18 | 29 | 29 | -1 | NW | 1 | o | * | 36 | 29 | – | * | – |
| | Nice ... ... ... | 30.04 | 41 | ESE | 1 | b | 29.98 | -.07 | 41 | ?37 | +6 | ENE | 2 | b | 3 | 48 | 32 | – | * | – |
| | Perpignan ... ... | 30.23 | 42 | NW | 5 | o | 30.09 | -.18 | 46 | 42 | +7 | NW | 5 | o | * | 46 | 41 | – | * | – |
| SPAN. PEN. | Corunna ... ... | | | | | | | | | | | | | | | | | | * | |
| | Lisbon ... ... | | | | | | | | | | | | | | * | | | | * | |
| | Azores (P. Delgada)... | 30.33 | 59 | SSE | 5 | b | 30.37 | +.13 | 59 | 57 | -1 | SSE | 4 | o | 5 | 63 | 57 | – | * | 0.04 |
| | ,, (Horta) ... | 30.29 | 56 | WNW | 3 | b | 30.36 | +.21 | 51 | 48 | -10 | WNW | 3 | b | 2 | 61 | 50 | – | * | – |

**NOTE:** *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

Errata:- The 8 a.m. bar. reading at Munich in yesterday's Report should read '30.29' and the difference '+.27'.

# WEATHER CHARTS

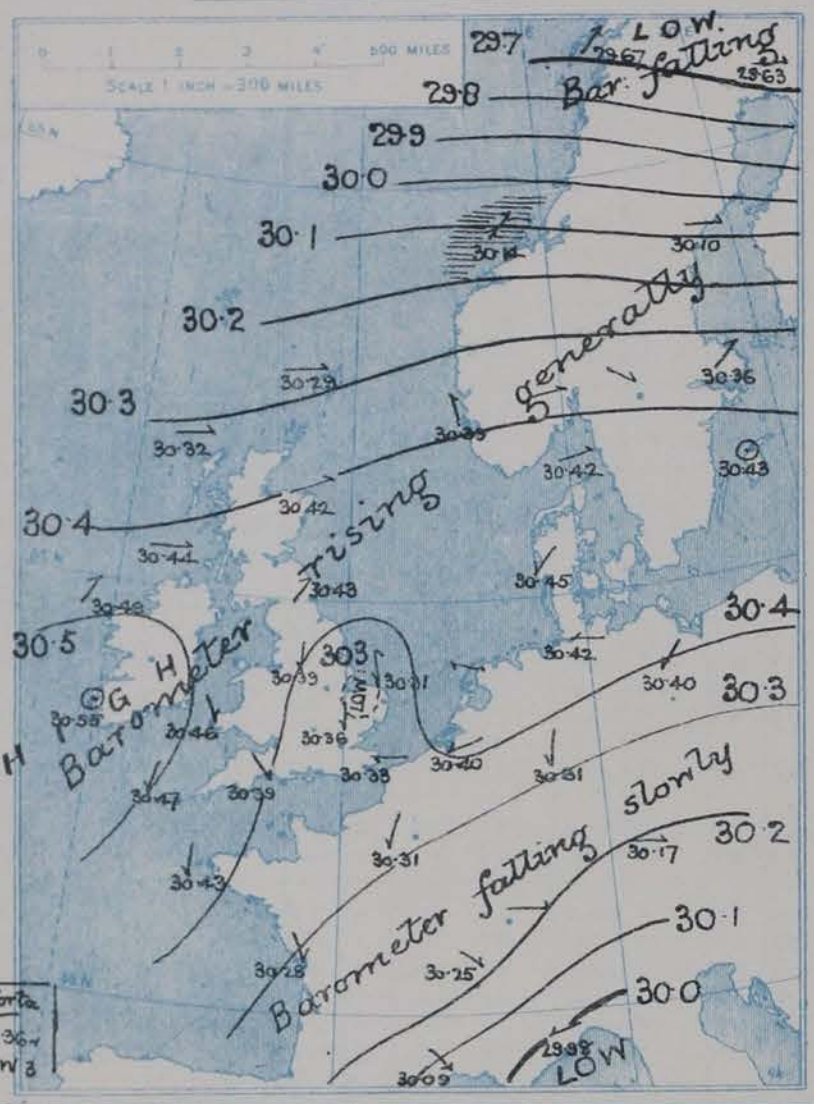
FOR TUESDAY, 19TH JANUARY, 1904.

## I. BAROMETER, WIND AND SEA. *This Morning.*

*BAROMETER.—Isobars are drawn for each tenth of an inch.*
*WIND.—Arrows show Directions and Force, flying with the wind.*

*Force above 10* — *Force 5 to 7* — } Calm ⊙
*Force 8 to 10* — *Force 1 to 4* —

*SEA.—Rough* *High*



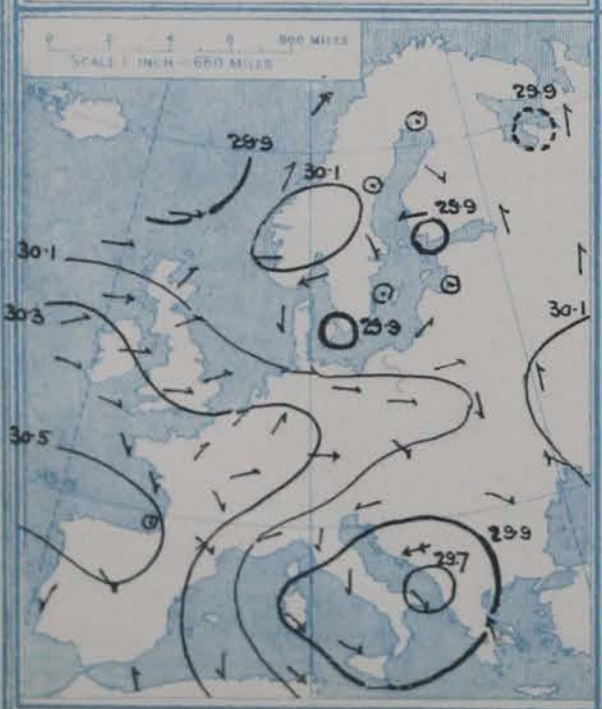

## II. TEMPERATURE AND WEATHER. *This Morning.*

*TEMPERATURE.—Isotherms are drawn for each 10°.*
*WEATHER.—Shown by Letters of the Beaufort Scale.* *(See P. 4.)*

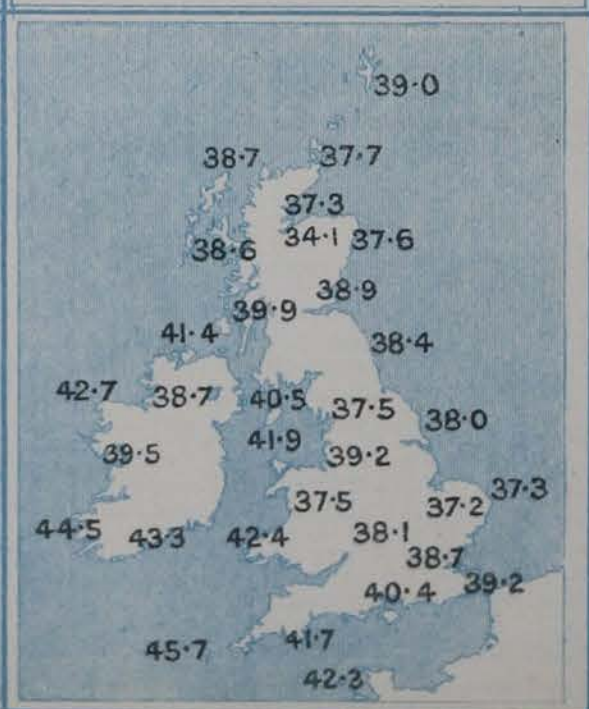
*RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus - 0·6*

## III. BAROMETER AND WIND

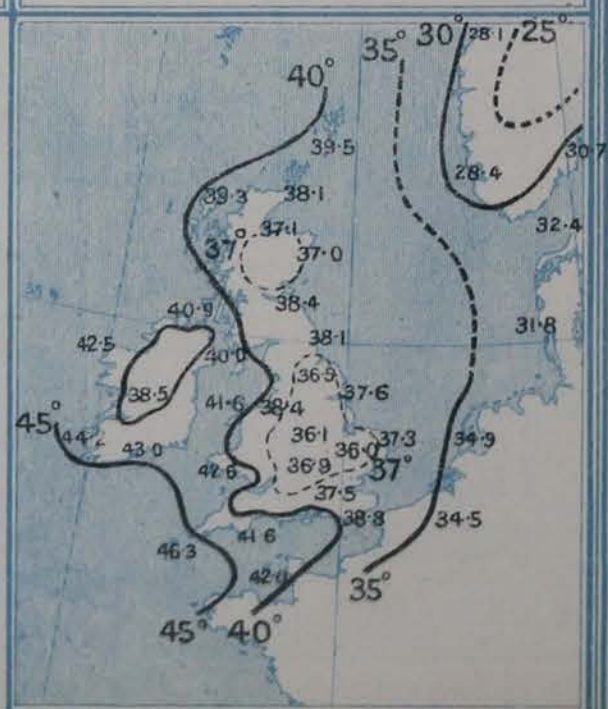
*Yesterday morning.*




## IV *Averages of* DAILY MAXIMUM *and* MINIMUM TEMPERATURES *combined for the month of* JANUARY. *(1871-1900.)*



## V. *Means of* DAILY TEMPERATURE *at 8 A.M. for the monthly period* JANUARY *(1871-1900.)*



# GENERAL SITUATION AT 8 A.M.

**PRESSURE**

Since yesterday morning the barometer has risen except over the north of Scandinavia, France, and the South of Germany. The readings now range from above 30.5 ins. in an anticyclone extending from the Atlantic to the southern half of Ireland and above 30.4 ins. in an irregularly shaped band stretching eastwards across the North Sea to beyond the Baltic to about 30.0 ins. in the southeast of France and to below 29.7 ins. in a large depression over Lapland. There is still a small baric minimum shown over the southeast of England, the barometer in Norfolk standing at about 30.3 ins.

**WIND**

To the northward of the high pressure band the wind is Wly. or S.Wly., and blows strongly or with the force of a gale on the west coast of Norway. Over France and Germany it is light and rather variable, but is chiefly from some Nly. point; while over the southeastern half of England it tends to circulate around the Norfolk baric minimum.

**TEMPERATURE**

Temperature has fallen in Ireland, Scotland, the Netherlands, and Germany, risen quickly over France and Scandinavia, and changed little, or risen, in England. It ranges from 49° in London and at Bath and 47° at Leith and at some Irish stations to 40° at Yarmouth and Wick, and to 38° at Stornoway and Nairn. The continental values are as high as 51° in Brittany, whence they decrease to below 32° over the east of France, the Netherlands, Germany, Denmark and Sweden. The lowest readings are 24° at Munich and 15° at Haparanda.

**WEATHER AND SEA**

The sky is clear in one or two scattered places, but is overcast generally, much mist is reported over the United Kingdom, and at some stations fog and slight rain prevail. At Frankfort snow is falling. The sea is rough at Christiansund, moderate to smooth on our coasts.

The highest temperature recorded over the United Kingdom yesterday was 53° at Nairn, and readings between that point and 50° were very common. Rain was experienced at nearly all our stations, as well as at many of those on the Continent. The day was entirely without bright sunshine over these Islands as a whole, but at Bettws-y-Coed there was nearly half an hour.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The distribution of pressure is at present in a transitory state. With the disappearance of the small depression over Norfolk it is probable that an irregular area of high pressure will be formed over our Islands and their immediate neighbourhood and be accompanied by drier weather and a lower temperature.

# FORECASTS*

*For the 24 hours ending at NOON on* 20TH JANUARY, 1904.

| DISTRICTS. | FORECASTS. |
|---|---|
| 0 SCOTLAND NORTH<br>1 SCOTLAND EAST | Wly. winds, light or moderate; mostly fair, but some rain locally. |
| 2 ENGLAND N.E.<br>3 ENGLAND EAST<br>4 MIDLAND COUNTIES<br>5 ENGLAND SOUTH | Light Variable winds,—finally from some Nly. point; dull, damp, with slight rain, mist or fog, then becoming drier and colder. |
| 6 SCOTLAND WEST | Same as Nos. 0 and 1. |
| 7 ENGLAND N.W.<br>8 ENGLAND S.W<br>9 IRELAND NORTH<br>10 IRELAND SOUTH | Light or moderate winds between W. and N.; dull, misty or foggy, then drier and colder. |
| WARNINGS | None issued. |

*Note.*—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

# REPORTS FOR YESTERDAY.

| STATIONS. | Temperature F. Max. | Temperature F. Min. | Weather. | Sunshine. Hrs. | Rainfall. Ins. |
|---|---|---|---|---|---|
| Blackpool, to 9 p.m. ... ... | 47 | 39 | o m, b c | 0·0 | 0·05 |
| Southport, to 9 p.m. ... ... | 45 | 41 | o r, o | 0·1 | 0·12 |
| Rhyl, ... ... ... ... ... | * | * | * | 0·0 | * |
| Llandudno ... ... ... ... | * | * | * | 0·0 | * |
| Bettws-y-Coed, to 6 p.m. ... | 52 | 42 | b c, o | 0·4 | * |
| Aberystwyth, to 6 p.m. ... | 46 | 43 | r, o | 0·0 | 0·17 |
| Plymouth, to 9 p.m. ... ... | 50 | 43 | o, o p | 0·0 | 0·03 |
| Bournemouth to 6 p.m. ... | * | * | * | 0·0 | * |
| Worthing ... ... ... ... | * | * | * | 0·0 | * |
| Brighton ... ... ... ... | 48 | * | * | 0·0 | * |
| Eastbourne, to 6 p.m. ... | 49 | * | * | 0·0 | * |

| STATIONS. | Temperature F. Max. | Temperature F. Min. | Weather. | Sunshine. Hrs. | Rainfall. Ins. |
|---|---|---|---|---|---|
| Hastings ... ... ... ... | * | * | * | 0·0 | * |
| Broadstairs ... ... ... ... | * | * | r m | 0·0 | * |
| Margate ... ... ... ... | 42 | * | * | * | * |
| Lowestoft, to 6 p.m. ... ... | 42 | 31 | b c, o m | 0·0 | 0·03 |
| Skegness ... ... ... ... | * | * | * | 0·0 | * |
| Scarborough, to 6 p.m. ... | 50 | * | * | 0·0 | * |
| Harrogate, to 6 p.m. ... | 49 | 38 | c, r, c p, c | 0·1 | 0·21 |
| Manchester, to 9 p.m. ... | 49 | 38 | o u d, p | 0·0 | 0·09 |
| Darwen, to 9 p.m. ... .. | 45 | 38 | o r, m d, o m | 0·0 | 0·20 |
| Birmingham, to 9 p.m. ... | 48 | 37 | o, d, o | 0·0 | 0·01 |

## TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

| STATIONS. 18th Jany, 1904 | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|
| Copenhagen ... ... ... | 36 | 30 | b, s | 0·43 |
| Utrecht ... ... ... ... | 39 | 28 | b, f | — |
| Groningen ... ... ... ... | 39 | 30 | c, m | — |
| Vienna ... ... ... ... ... | 39 | 34 | b, s | — |
| Marseilles ... ... ... ... | 46 | 28 | b, b | — |
| Florence ... ... ... ... | 42 | 39 | b, b | 0·04 |
| Rome ... ... ... ... ... | 51 | 39 | c, c | 0·28 |
| Naples ... ... Not recd. | | | | |
| Palermo ... ... ... ... | 61 | 43 | o, o | 0·08 |
| Malta ... ... ... ... ... | 61 | 45 | ?, + | 0·39 |

| STATIONS. | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|
| Algiers ... ... ... ... | 57 | 46 | c, + | 0·04 |
| Tunis ... ... ... ... | 61 | 37 | c, o | 1·73 |
| Madeira (Funchal) Not recd. | | | | |
| 17th Jany. Not received. | 1 p.m. | | 1 p.m. | Measured 7 a.m. |
| Geneva ... ... ... ... | | * | | |
| Berne ... ... ... ... | | * | | |
| Coire ... ... ... ... | | * | | |
| Castasegna ... ... ... | | * | | |
| Lugano ... ... ... ... | | * | | |
| Davos ... ... .. ... | | * | | |

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

### TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

| COUNTRIES, &c. | Hours of Morning Observations by Local Standard Time. | Corresponding Greenwich Times. | Hours of Evening Observations by Local Standard. | Corresponding Greenwich Times. |
|---|---|---|---|---|
| British Isles, Belgium† ... | 8 a.m. (West European) | 8 a.m. | 6 p.m.‡ (W.E.T.) | 6 p.m.‡ |
| Holland ... ... ... ... ... | 8 a.m. ( „ „ ) | 8 a.m. | 7 p.m. (W.E.T.) | 7 p.m. |
| Germany, Denmark, Norway, Sweden | 8 a.m. (Mid-European) | 7 a.m. | 8 p.m. (M.E.T.) | 7 p.m. |
| France ... ... ... ... ... | 7 a.m. (Paris) ... ... | 6.51 a.m. | 6 p.m. (Paris) | 5.51 p.m. |
| Spain ... ... ... ... ... | 8 a.m. (West European) | 8 a.m. | 6 p.m. (W.E.T.) | 6 p.m. |
| Portugal ... ... ... ... ... | 8 a.m. (Lisbon) ... ... | 8.36 a.m. | 3.23 p.m. (Lisbon) | 4 p.m. |
| Azores: Ponta Delgada ... ... | 6 a.m. (Local) ... ... | 7.43 a.m. | 9 p.m. (Local) | 10.43 p.m. |
| Azores: Horta ... ... ... | 6 a.m. (Local) ... ... | 7.55 a.m. | 9 p.m. (Local) | 10.55 p.m. |

### TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

| 19th Jany, 1904. | Sunrise G.M.T. | Noon G.M.T. | Sunset G.M.T. |
|---|---|---|---|
| Yarmouth ... ... ... | 7.54 | 12.4 | 4.13 |
| Greenwich ... ... ... | 7.57 | 12.11 | 4.25 |
| Wick ... ... ... ... | 8.46 | 12.23 | 4.0 |
| Valencia ... ... ... | 8.40 | 12.52 | 5.4 |

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† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

# DAILY WEATHER REPORT

*for 8 a.m. on* Wednesday, 20th January, **1904.**

*Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London.* **W. N. SHAW.** *Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins. | Temp. Dry Bulb. ° | Wind. Direc. | Wind. Force (0 to 12.) | Weather | THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins. | Barometer. Change since Yesterday. Ins. | Temperature. Dry Bulb. ° | Temperature. Wet Bulb. ° | Temperature. Change since Yesterday. ° | Wind. Direc. | Wind. Force (0 to 12.) | Weather. | Sea (0 to 9.) | PAST 24 HOURS. Temp. Max. ° | Temp. Min. ° | Weather | Sunshine Hours. | Rainfall. Ins. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SCANDINAVIA | Haparanda... ... | 29·95 | 26 | SW | 6 | b | 30·13 | +·50 | 23 | 22 | + 8 | SSW | 2 | b | * | 32 | 10 | – | * | – |
| | Hernösand ... ... | 30·34 | 38 | N | 0 | b | 30·36 | +·26 | 31 | 30 | + 4 | N | 0 | b | * | 39 | 16 | – | * | – |
| | Stockholm ... ... | 30·56 | 30 | N | 0 | 0 | 30·53 | +·17 | 33 | 32 | + 8 | WNW | 4 | 0 | * | 33 | 21 | – | * | – |
| | Wisby... ... ... | 30·59 | 33 | W | 4 | bc | 30·60 | +·17 | 35 | 33 | + 5 | W | 2 | 0 | * | 35 | 23 | – | * | – |
| | Karlstad ... ... | 30·58 | 33 | N | 0 | 0 | 30·55 | +·18 | 34 | 34 | + 7 | SSW | 2 | f | * | * | * | – | * | – |
| | Færder (X'iania Fjord) | 30·52 | 27 | NNE | 2 | f | 30·50 | +·17 | 25 | 25 | – 7 | N | 1 | f | 1 | 32 | 23 | – | * | – |
| | Bodö ... ... ... | 30·00 | 40 | SW | 6 | 0 | 29·99 | +·32 | 43 | 42 | + 7 | SW | 6 | r | 4 | 43 | 36 | – | * | 0·24 |
| | Christiansund ... | 30·34 | 43 | WSW | 5 | c | 30·21 | +·07 | 47 | 42 | + 5 | WSW | 4 | 0 | 4 | 47 | 39 | – | * | 0·04 |
| | Skudesnaes ... | 30·55 | 37 | N | 0 | f | 30·51 | +·12 | 38 | 37 | + 3 | SE | 4 | 0 | 2 | 38 | 34 | o,f | * | * |
| BRITISH ISLANDS | Sumburgh Head | 30·33 | 44 | S | 3 | 0 | 30·11 | –·18 | 45 | 44 | + 1 | SW | 3 | 0 | 4 | 48 | 43 | c,o | * | 0·03 |
| | Stornoway ... ... | 30·34 | 46 | SW | 3 | 0 | 30·14 | –·18 | 46 | 45 | + 8 | S | 7 | r | 7 | 50 | 36 | o | 0·0 | 0·04 |
| | Malin Head ... | 30·46 | 45 | SW | 2 | of | 30·32 | –·12 | 44 | 43 | 0 | S | 6 | og | 4 | 46 | 40 | c,of | * | 0·03 |
| | Blacksod Pt. ... | 30·46 | 46 | SSW | 4 | c | 30·39 | –·10 | 49 | 48 | + 3 | SSW | 6 | rm | 5 | 49 | 45 | of,c | * | 0·01 |
| | Valencia ... ... | 30·55 | 46 | N | 0 | om | 30·52 | –·03 | 46 | 46 | 0 | SSE | 2 | om | 3 | 49 | 43 | of,om | 0·6 | 0·03 |
| | Roche's Point ... | 30·55 | 48 | N | 0 | 0 | 30·53 | –·02 | 41 | 41 | – 6 | N | 0 | b | 0 | 48 | 41 | o | * | 0·02 |
| | Parsonstown ... | 30·53 | 45 | N | 0 | r | 30·50 | –·02 | 40 | 39 | – 5 | SE | 1 | bc | * | 47 | 38 | ogm,r | 0·0 | 0·04 |
| | Donaghadee ... | 30·52 | 46 | W | 1 | 0 | 30·47 | +·03 | 45 | 43 | – 2 | SW | 2 | o | 1 | 48 | 44 | – | * | 0·01 |
| | Liverpool Obsy... | 30·54 | 44 | WSW | 1 | f | 30·54 | +·08 | 42 | 41 | – 1 | SSE | 1 | o | ? | 45 | 41 | ofp | * | 0·03 |
| | Holyhead ... ... | 30·51 | 46 | N | 0 | dp | 30·51 | +·04 | 46 | 46 | – 1 | W | 1 | df | 1 | 47 | 45 | o,dp | * | 0·11 |
| | Pembroke (St Ann's) | 30·50 | 48 | N | 3 | bc | 30·53 | +·07 | 46 | 46 | – 1 | S | 2 | ogm | 2 | 49 | 45 | – | 0·2 | – |
| | Scilly (St. Mary's) ... | 30·49 | 49 | NNW | 4 | 0 | 30·51 | +·04 | 48 | 48 | 0 | SSE | 1 | dm | 3 | 51 | 46 | o | 0·0 | – |
| | Jersey (St. Aubins) ... | 30·43 | 48 | N | 3 | f | 30·56 | | 32 | 31 | | NE | 1 | bmw | 1 | 50 | 31 | f | 0·0 | – |
| | Portland Bill ... | 30·47 | 43 | E | 2 | 0 | 30·56 | +·17 | 37 | 36 | – 11 | E | 3 | bcw | 2 | 49 | 34 | c,o | * | 0·01 |
| | Dungeness ... ... | 30·50 | 38 | E | 3 | b | 30·55 | +·22 | 35 | 33 | – 8 | E | 3 | og | 2 | 44 | 33 | – | 0·0 | 0·02 |
| | Wick ... ... ... | 30·46 | 43 | NW | 3 | bc | 30·20 | –·15 | 42 | 40 | + 2 | W | 2 | bc | 1 | 46 | 37 | – | * | – |
| | Nairn ... ... ... | 30·41 | 46 | W | 1 | c | 30·27 | –·10 | 45 | 43 | + 7 | WSW | 2 | c | 1 | 51 | 37 | – | * | 0·01 |
| | Aberdeen ... ... | 30·46 | 43 | SSW | 3 | bm | 30·34 | –·08 | 45 | 42 | + 6 | SSW | 4 | bc | 2 | 46 | 38 | bm,o | 1·7 | – |
| | Leith ... ... ... | 30·44 | 49 | NW | 1 | 0 | 30·39 | –·03 | 46 | 44 | – 1 | WSW | 2 | om | * | 50 | 44 | – | * | 0·01 |
| | North Shields ... | 30·52 | 45 | SE | 1 | cm | 30·47 | +·04 | 42 | 41 | – 4 | SSW | 3 | om | 2 | 47 | 40 | c,cm | * | – |
| | Spurn Head .. | 30·52 | 39 | S | 3 | bc | 30·55 | +·19 | 33 | 33 | – 10 | S | 3 | b | 2 | 43 | 32 | – | * | – |
| | Yarmouth ... ... | 30·53 | 38 | SE | 4 | b | 30·55 | +·24 | 36 | 34 | – 4 | ESE | 4 | c | 3 | 40 | 34 | b | * | 0·05 |
| | Clacton-on-Sea ... | 30·55 | 38 | E | 3 | bc | 30·59 | +·23 | 36 | 34 | – 4 | ENE | 2 | c | 2 | 41 | 34 | f,o,c,bc | 0·3 | 0·03 |
| | Nottingham ... | 30·52 | 44 | ENE | 1 | 0 | 30·57 | +·18 | 30 | 29 | – 18 | N | 0 | c | * | 50 | 29 | c,o | 0·0 | 0·01 |
| | Bath ... ... ... | 30·49 | 46 | N | 1 | 0 | 30·58 | +·16 | 28 | 28 | – 21 | NE | 1 | f | * | 50 | 28 | – | 0·0 | – |
| | Oxford ... ... | 30·57 | 39 | ENE | 3 | b | 30·62 | +·21 | 28 | 28 | – 19 | ESE | 1 | f | * | 48 | 26 | pd,bm | * | – |
| | London (Brixton) ... | 30·51 | 39 | ENE | 1 | bcm | 30·58 | +·22 | 34 | 33 | – 15 | ESE | 2 | om | * | 49 | 32 | odm,b | 0·0 | 0·04 |
| GERMANY, &c. | The Scaw (Skagen) | 30·60 | 35 | W | 3 | 0 | 30·60 | +·18 | 36 | 35 | + 6 | WSW | 3 | 0 | 1 | 36 | 28 | – | * | – |
| | Fanö ... ... ... | 30·67 | 27 | N | 0 | b | 30·69 | +·24 | 27 | 27 | – 3 | SSE | 1 | f | * | 36 | 27 | – | * | – |
| | Cuxhaven ... ... | 30·62 | 32 | N | 0 | b | 30·68 | +·26 | 28 | 27 | – 2 | SE | 1 | o | * | 34 | 23 | – | * | – |
| | The Helder ... | 30·58 | 33 | E | 1 | b | 30·61 | +·19 | 28 | 27 | – 4 | ESE | 1 | o | 0 | 41 | 28 | – | * | – |
| | Brussels ... ... | * | * | * | * | * | 30·59 | +·19 | 24 | 24 | – 5 | ENE | 2 | b | * | 32 | 23 | – | * | – |
| | Berlin ... ... ... | 30·61 | 29 | NE | 2 | b | 30·65 | +·25 | 24 | 23 | – 4 | NNE | 2 | o | * | 34 | 21 | – | * | – |
| | Frankfürt ... ... | 30·56 | 27 | N | 4 | c | 30·53 | +·22 | 29 | 28 | 0 | N | 2 | c | * | 36 | 25 | – | * | – |
| | Munich ... ... | 30·37 | 21 | N | 0 | s | 30·37 | +·20 | 25 | 25 | + 1 | NE | 6 | o | * | 28 | 21 | – | * | – |
| FRANCE. | C. Gris Nez ... | 30·47 | 31 | ENE | 3 | b | 30·52 | +·22 | 30 | 28 | – 10 | ENE | 3 | c | 3 | 40 | 28 | – | * | – |
| | Brest ... ... ... | 30·43 | 49 | N | 3 | 0 | 30·53 | +·10 | 35 | 34 | – 16 | NE | 1 | b | 2 | 51 | 34 | – | * | – |
| | Lorient ... ... | 30·39 | 49 | N | 4 | 0 | 30·53 | +·12 | 35 | 34 | – 16 | ENE | 3 | b | 2 | 54 | 32 | – | * | – |
| | Rochefort ... ... | 30·25 | 45 | NE | 4 | r | 30·46 | +·18 | 30 | 28 | – 18 | NE | 4 | b | * | 50 | 28 | o,r | * | 0·08 |
| | Biarritz ... ... | 30·26 | 51 | NNE | 4 | r | 30·39 | +·07 | 33 | 32 | – 18 | N | 0 | b | 2 | 52 | 32 | – | * | 0·43 |
| | Paris ... ... ... | 30·46 | 31 | NE | 3 | b | 30·51 | +·20 | 26 | 25 | – 11 | NE | 3 | b | * | 41 | 26 | – | * | – |
| | Belfort... ... ... | 30·31 | 26 | ENE | 7 | b | 30·34 | +·15 | 27 | 26 | + 1 | ENE | 6 | o | * | 30 | 25 | – | * | – |
| | Lyons ... ... ... | | | | | | | | | | | | | | * | | | | * | |
| | Nice ... ... ... | 29·98 | 39 | NE | 3 | c | 30·08 | +·10 | 40 | 32 | – 1 | NE | 1 | bc | 4 | 48 | 37 | – | * | – |
| | Perpignan ... ... | 30·05 | 44 | N | 2 | b | 30·19 | +·10 | 37 | 32 | – 9 | NW | 4 | b | * | 49 | 34 | – | * | – |
| SPAN. PEN. | Corunna ... ... | | | | | | | | | | | | | | | | | | * | |
| | Lisbon ... ... | | | | | | | | | | | | | | * | | | | * | |
| | Azores (P. Delgada)... | | | | | | | | | | | | | | | | | | * | |
| | „ (Horta) ... | 30·43 | 54 | N | 0 | 0 | 30·43 | +·07 | 56 | 54 | + 5 | NNE | 2 | b | 2 | 61 | 51 | – | * | – |

**NOTE:** *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

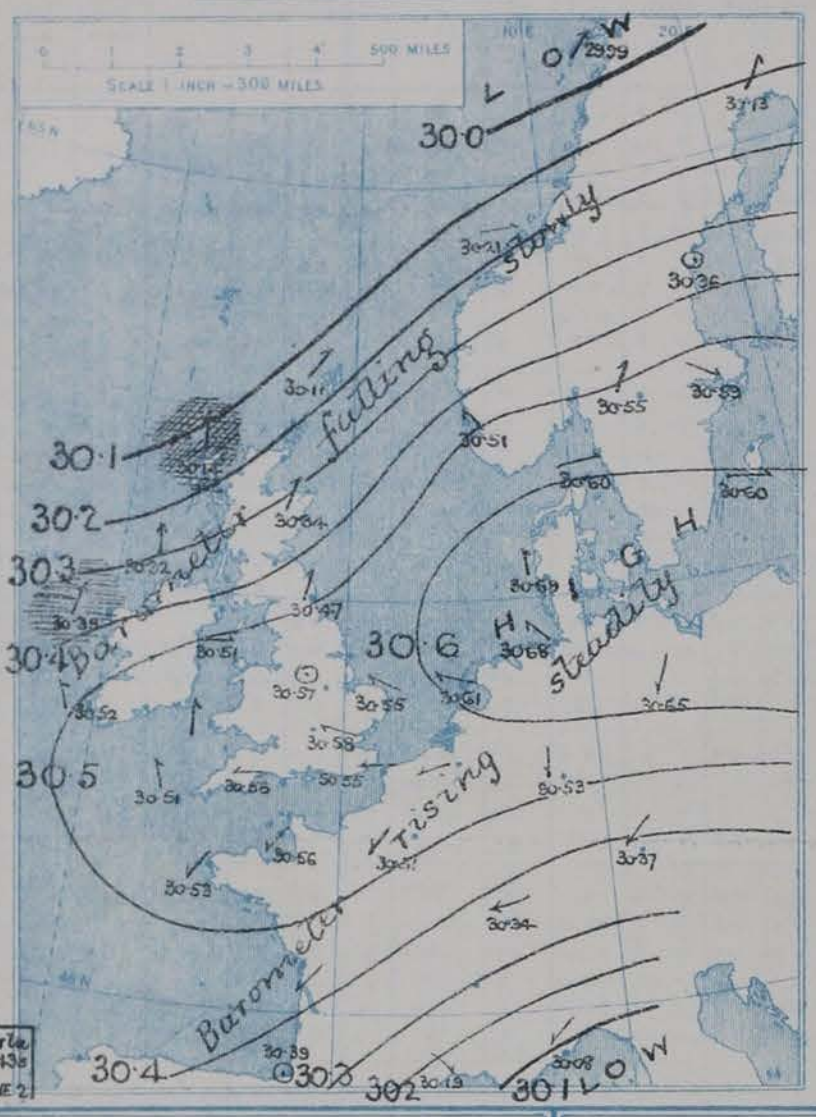
† *Observations received too late for insertion in Charts on next page.*

# WEATHER CHARTS

## FOR WEDNESDAY, 20th JANUARY, 1904.

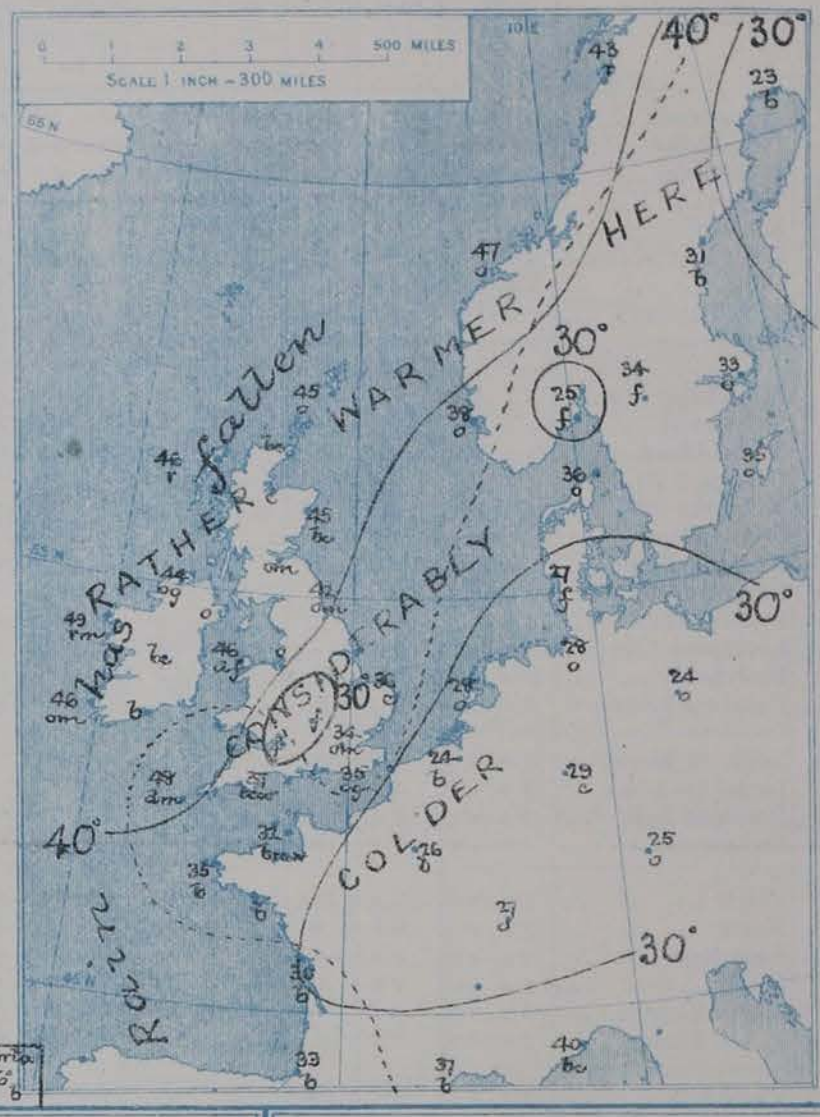
### I. BAROMETER, WIND AND SEA. *This Morning.*

*BAROMETER.—Isobars are drawn for each tenth of an inch.*
*WIND.—Arrows show Directions and Force, flying with the wind.*
*Force above 10* — *Force 8 to 10* — *Force 5 to 7* — *Force 1 to 4* — Calm
*SEA.—Rough* — *High*




### II. TEMPERATURE AND WEATHER. *This Morning.*

*TEMPERATURE.—Isotherms are drawn for each 10°.*
*WEATHER.—Shown by Letters of the Beaufort Scale.* (See P. 4.)
*RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus - 0·6*




### III. BAROMETER AND WIND

*Yesterday morning.*

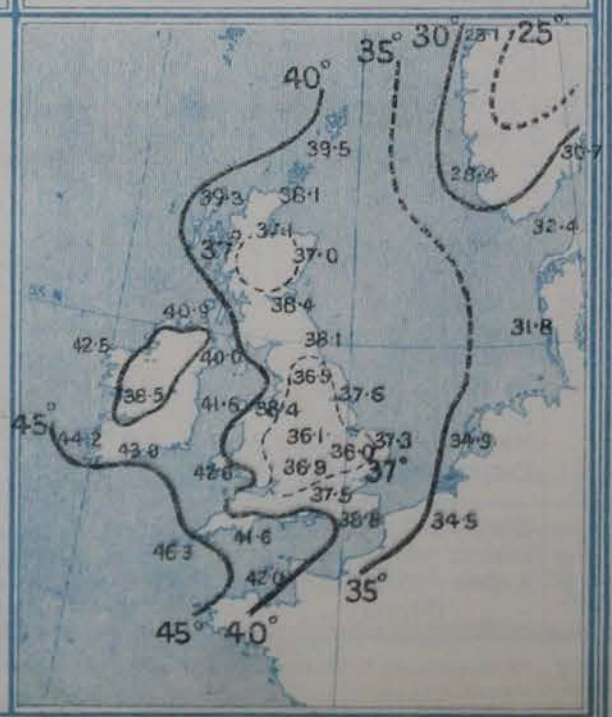
### IV. RAINFALL IN 1904.

Total Amount recorded in various districts of the United Kingdom in the 2 weeks ending Saturday 16th Jan., with the percentage of the average amount.

### V. *Means of* DAILY TEMPERATURE

*at 8 A.M. for the monthly period*

JANUARY (1871–1900.)



# GENERAL SITUATION AT 8 A.M.

**PRESSURE**

A very large anticyclone in which the barometer stands above 30.5 ins. to nearly 30.7 ins., extends from Russia westwards across England to the south of Ireland, while the mercury is lowest, 30.0 ins., in the north of Norway and, 30.1 ins., in the southeast of France. A decided decrease of pressure has, however, set in during the night on our extreme northwestern and northern coasts, and gradients for Sly. and SWly. winds are increasing quickly over the northwestern half of the Kingdom generally.

**WIND**

Within the immediate influence of the anticyclone the winds over our Islands are very light and mainly Easterly to Southerly, but on our extreme northwestern coasts they have already increased to a strong Sly. breeze or to a moderate gale. Moderate to strong winds from the S.Wd. or Wd. prevail in Scandinavia, while over the southern parts of Germany and France moderate to strong NEly. breezes are reported.

**TEMPERATURE**

Temperature has fallen quickly over France and England, but rises over Scandinavia and Scotland. The readings now range from 49° at Blackwd Point, 48° at Scilly, 47° at Christiansund, and 45° or 46° at most Scotch stations to 28° at Bath and Oxford, a few degrees lower over Denmark, Germany, the east of France, and the Netherlands, and to 23° in the north of Sweden.

**WEATHER AND SEA**

The weather is fine and bright in the west and south of France, but much cloud prevails over our area as a whole, and mist or fog in several places. On our own northwestern coasts and at Bodö rain has set in. The sea is high in the Minch, rather rough at Blackwd Point, moderate to smooth elsewhere.

The highest temperature reported over our Islands yesterday was 52° at Scarborough, but in most places the maxima were below 50°. Slight rain was experienced in all our own districts and larger amounts on the west coasts of Norway and France. Sharp frost prevailed over the more central parts of England during the night — at Oxford the sheltered thermometer fell to 26°. Scarcely any bright sunshine was recorded over our Islands generally, but Harrogate had 1.6 hrs., Aberdeen 1.7 hrs., and Scarborough 4.1 hrs.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The anticyclone is likely to move slowly eastwards or southeastwards, while depressions from the Atlantic encroach more and more over our Islands and finally bring about a return of the Sly. and S.Wly. wind current, mild temperature, and occasional rain.

# FORECASTS*

*For the 24 hours ending at NOON on 21st JANUARY, 1904*

| DISTRICTS. | FORECASTS. |
|---|---|
| 0 ⊼ SCOTLAND NORTH | Sly. and S.Wly. winds, fresh or strong, a gale in west; mild, unsettled, squally, occasional rain. |
| 1 SCOTLAND EAST | |
| 2 ENGLAND N.E. | Sly. and SWy. winds, moderate or fresh, becoming unsettled and milder, with some rain. |
| 3 ENGLAND EAST | Wind shifting gradually towards S. or S.W; cold and dry today, with local fog or mist, becoming milder and less settled tomorrow. |
| 4 MIDLAND COUNTIES | |
| 5 ENGLAND SOUTH | |
| 6 ⊼ SCOTLAND WEST | Sly. and S.Wly. strong winds or gales; squally, rainy, mild. |
| 7 ENGLAND N.W. | Sly. and S.Wly. winds, increasing in force; mild, unsettled, some rain. |
| 8 ENGLAND S.W | |
| 9 ⊼ IRELAND NORTH | Same as No. 6. |
| 10 IRELAND SOUTH | Same as Nos. 7 and 8. |
| WARNINGS | At 9.30 am. today to District 6 and parts of 0 and 9, "HOIST SOUTH CONE". |

*Note.*—The **South Cone**, *point downwards* (⊼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (⊼), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

# REPORTS FOR YESTERDAY.

| STATIONS. | Temperature F. Max. | Temperature F. Min. | Weather. | Sunshine. Hrs. | Rainfall. Ins. |
|---|---|---|---|---|---|
| Blackpool, to 9 p.m. ... ... | 48 | 42 | o m | 0·0 | – |
| Southport, to 9 p.m. ... ... | 45 | 42 | o, of, o m | 0·0 | – |
| Rhyl, ... ... ... ... ... ... | * | * | * | 0·0 | * |
| Llandudno ... ... ... ... | * | * | * | 0·0 | * |
| Bettws-y-Coed, to 6 p.m. ... | 51 | 45 | o d m, o | 0·0 | * |
| Aberystwyth, to 6 p.m. ... | 47 | 44 | o u | 0·0 | 0·05 |
| Plymouth, to 9 p.m. ... ... | | | | | |
| Bournemouth to 6 p.m. ... | * | * | * | 0·1 | * |
| Worthing ... ... ... ... | * | * | * | 0·0 | * |
| Brighton ... ... ... ... | 48 | * | * | 0·0 | * |
| Eastbourne, to 6 p.m. ... | 49 | * | * | 0·0 | * |

| STATIONS. | Temperature F. Max. | Temperature F. Min. | Weather. | Sunshine. Hrs. | Rainfall. Ins. |
|---|---|---|---|---|---|
| Hastings ... ... ... ... | * | * | * | 0·0 | * |
| Broadstairs... ... ... ... | * | * | o | 0·1 | * |
| Margate ... ... ... ... | 42 | 37 | c, r | 0·4 | 0·28 |
| Lowestoft, to 6 p.m. ... ... | 41 | 35 | o r, m, b c, b | 0·1 | 0·29 |
| Skegness ... ... ... ... | * | * | * | 0·0 | * |
| Scarborough, to 6 p.m. ... | 52 | * | * | 0·1 | * |
| Harrogate, to 6 p.m. ... | 49 | 45 | c p m, c, o | 1·6 | 0·06 |
| Manchester, to 9 p.m. ... | 50 | 46 | o u, g, d | 0·0 | 0·01 |
| Darwen, to 9 p.m. ... .. | 45 | 41 | o d m, o m | 0·0 | 0·01 |
| Birmingham, to 9 p.m. ... | 49 | 44 | o | 0·0 | – |

## TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

| STATIONS. 19th Jany, 1904 | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|
| Copenhagen ... ... ... | 32 | 27 | o, o | 0·04 |
| Utrecht... ... ... ... ... | 39 | 28 | f, o | 0·04 |
| Groningen ... ... ... ... | 41 | 28 | b c, c | 0·04 |
| Vienna ... ... ... ... ... | 37 | 30 | b, o | 0·08 |
| Marseilles ... ... ... ... | 43 | 28 | b, b | — |
| Florence ... ... ... ... | 45 | 37 | b, o | — |
| Rome ... ... ... ... ... | 48 | 38 | b, o | — |
| Naples ... ... ... ... ... | 45 | 38 | b, b | 0·04 |
| Palermo ... ... ... ... | 52 | 41 | c, r | 0·32 |
| Malta ... ... ... ... ... | 52 | 44 | ?, o | 0·08 |

| STATIONS. | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|
| 19th January. 1904. | | | | |
| Algiers ... ... ... ... | 54 | 45 | o, o | 0·24 |
| Tunis ... ... ... ... | 54 | 36 | c, m | — |
| Madeira (Funchal) Not recd. | | | | |
| 18th January. | 1 p.m. | | 1 p.m. | Measured 7 a.m. |
| Geneva ... ... ... ... | 34 | * | b | — |
| Berne ... ... ... ... | 25 | * | b c | 0·08 |
| Coire ... ... ... ... | 28 | * | b c | — |
| Castasegna ... ... ... | 32 | * | b | — |
| Lugano ... ... ... ... | 43 | * | b | — |
| Davos ... ... .. ... | 18 | * | b | 0·04 |

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

### TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

| COUNTRIES, &c. | Hours of Morning Observations by Local Standard Time. | Corresponding Greenwich Times. | Hours of Evening Observations by Local Standard. | Corresponding Greenwich Times. |
|---|---|---|---|---|
| British Isles, Belgium† ... | 8 a.m. (West European) | 8 a.m. | 6 p.m.‡ (W.E.T.) | 6 p.m.‡ |
| Holland ... ... ... ... ... | 8 a.m. ( „ „ ) | 8 a.m. | 7 p.m. (W.E.T.) | 7 p.m. |
| Germany, Denmark, Norway, Sweden | 8 a.m. (Mid-European) | 7 a.m. | 8 p.m. (M.E.T.) | 7 p.m. |
| France ... ... ... ... ... | 7 a.m. (Paris) ... ... | 6.51 a.m. | 6 p.m. (Paris) | 5.51 p.m. |
| Spain ... ... ... ... ... | 8 a.m. (West European) | 8 a.m. | 6 p.m. (W.E.T.) | 6 p.m. |
| Portugal ... ... ... ... ... | 8 a.m. (Lisbon) ... ... | 8.36 a.m. | 3.23 p.m. (Lisbon) | 4 p.m. |
| Azores: Ponta Delgada ... ... | 6 a.m. (Local) ... ... | 7.43 a.m. | 9 p.m. (Local) | 10.43 p.m. |
| Azores: Horta ... ... ... | 6 a.m. (Local) ... ... | 7.55 a.m. | 9 p.m. (Local) | 10.55 p.m. |

### TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

| 20th Jany. 1904. | Sunrise G.M.T. | Noon G.M.T. | Sunset G.M.T. |
|---|---|---|---|
| Yarmouth ... ... ... | 7.53 | 12.4 | 4.15 |
| Greenwich ... ... ... | 7.56 | 12.11 | 4.26 |
| Wick ... ... ... ... | 8.44 | 12.23 | 4.3 |
| Valencia ... ... ... | 8.39 | 12.52 | 5.5 |

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† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

# DAILY WEATHER REPORT

*for 8 a.m. on* Thursday, 21st January, **1904.**

*Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London.* **W. N. SHAW,** *Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins. | Temp. Dry Bulb. ° | Wind. Direc. | Wind. Force (0 to 12.) | Weather | THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins. | Barometer. Change since Yesterday. Ins. | Temperature. Dry Bulb. ° | Temperature. Wet Bulb. ° | Temperature. Change since Yesterday. ° | Wind. Direc. | Wind. Force (0 to 12.) | Weather. | Sea (0 to 9.) | PAST 24 HOURS. Temp. Max. ° | Temp. Min. ° | Weather | Sunshine Hours | Rainfall Ins. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SCANDINAVIA. | Haparanda... ... | 29·96 | 30 | SW | 2 | b | 29·65 | − ·48 | 28 | 28 | + 5 | SSW | 2 | b | * | 34 | 18 | – | * | – |
| | Hernösand ... ... | 30·02 | 27 | W | 2 | b | 29·87 | − ·49 | 27 | 26 | − 4 | N | 0 | bc | * | 37 | 23 | – | * | – |
| | Stockholm ... ... | 30·37 | 35 | SW | 2 | o | 30·17 | − ·36 | 31 | 30 | − 2 | SW | 4 | o | * | 36 | 30 | – | * | – |
| | Wisby... ... ... | 30·47 | 33 | W | 6 | b | 30·28 | − ·32 | 29 | 28 | − 6 | SW | 4 | o | * | 37 | 29 | – | * | – |
| | Karlstad ... ... | 30·35 | 37 | SW | 4 | o | 30·13 | − ·42 | 33 | 32 | − 1 | SW | 6 | o | * | * | * | o, r | * | 0·04 |
| | Færder (X'iania Fjord) | 30·33 | 36 | SW | 6 | o | 30·11 | − ·39 | 38 | 37 | + 13 | WSW | 6 | m | 3 | 38 | 23 | – | * | – |
| | Bodö ... ... ... | 29·70 | 43 | S | 5 | o | 29·43 | − ·56 | 37 | 36 | − 6 | SW | 6 | r | 4 | 45 | 36 | – | * | 0·12 |
| | Christiansund ... | 29·83 | 46 | SW | 7 | c | 29·82 | − ·39 | 37 | 34 | − 10 | SW | 8 | r | 6 | 47 | 34 | – | * | 0·43 |
| | Skudesnaes ... | 30·33 | 38 | S | 8 | o | 30·19 | − ·32 | 38 | 36 | 0 | WSW | 2 | b | 4 | 39 | 37 | r, o | * | * |
| BRITISH ISLANDS. | Sumburgh Head | 30·00 | 40 | WSW | 5 | r | 30·14 | + ·03 | 39 | 35 | − 6 | WNW | 6 | o | 6 | 45 | 36 | o, r | * | 0·11 |
| | Stornoway ... ... | 30·19 | 43 | W | 5 | o | 30·40 | + ·26 | 40 | 37 | − 6 | NW | 6 | o | 6 | 48 | 36 | dp, rq, o | 0·1 | 0·20 |
| | Malin Head ... | 30·42 | 45 | WNW | 5 | om | 30·52 | + ·20 | 44 | 40 | 0 | NW | 6 | c | 5 | 47 | 39 | p, bc, o | * | 0·02 |
| | Blacksod Pt. ... | 30·50 | 47 | WNW | 4 | c | 30·63 | + ·24 | 42 | 40 | − 7 | NW | 2 | bcm | 2 | 50 | 41 | p, bc, c | * | 0·05 |
| | Valencia ... ... | 30·58 | 47 | NW | 1 | c | 30·66 | + ·14 | 46 | 44 | 0 | NNW | 3 | c | 3 | 51 | 44 | cm, c | 0·0 | 0·01 |
| | Roche's Point ... | 30·55 | 48 | N | 0 | o | 30·63 | + ·10 | 45 | 44 | + 4 | NW | 3 | bc | 1 | 49 | 40 | o | * | 0·01 |
| | Parsonstown ... | 30·54 | 47 | SW | 1 | o | 30·63 | + ·13 | 39 | 38 | − 1 | WNW | 1 | b | * | 48 | 37 | ogm, o | 0·0 | 0·01 |
| | Donaghadee ... | 30·43 | 47 | SW | 2 | o | 30·54 | + ·07 | 41 | 39 | − 4 | WSW | 3 | bc | 2 | 47 | 40 | – | * | – |
| | Liverpool Obsy... | 30·51 | 41 | SW | 1 | o | 30·53 | − ·01 | 41 | 39 | − 1 | NW | 3 | c | 3 | 45 | 40 | p, f, o | * | 0·06 |
| | Holyhead ... ... | 30·49 | 45 | W | 1 | dgm | 30·53 | + ·02 | 45 | 43 | − 1 | NW | 3 | c | 2 | 47 | 43 | cm, dg | * | 0·06 |
| | Pembroke (St Ann's) | 30·53 | 44 | ENE | 1 | o | 30·52 | − ·01 | 44 | 43 | − 2 | N | 4 | bc | 2 | 47 | 43 | o, df | 0·0 | 0·05 |
| | Scilly (St. Mary's) ... | 30·53 | 48 | SW | 3 | o | 30·53 | + ·02 | 48 | 46 | 0 | N | 4 | c | 3 | 50 | 46 | m, o | 0·0 | 0·13 |
| | Jersey (St. Aubins) ... | 30·56 | 39 | NNW | 3 | bcgm | 30·52 | − ·04 | 36 | 35 | + 4 | WNW | 3 | om | 3 | 42 | 32 | b, bcm | 5·1 | – |
| | Portland Bill ... | 30·57 | 34 | ENE | 2 | m | 30·49 | − ·07 | 43 | 43 | + 6 | NW | 1 | d | 1 | 45 | 32 | m | * | 0·03 |
| | Dungeness ... ... | 30·56 | 34 | E | 2 | o | ?30·42 | − ·13 | 32 | 31 | − 3 | NW | 2 | dm | 1 | 36 | 28 | o | 0·0 | – |
| | Wick ... ... ... | 30·15 | 40 | W | 3 | bc | 30·28 | + ·08 | 37 | 36 | − 5 | NW | 2 | bc | 2 | 47 | 35 | – | * | 0·12 |
| | Nairn ... ... ... | 30·23 | 43 | W | 3 | b | 30·40 | + ·13 | 38 | 36 | − 7 | W | 2 | c | 1 | 50 | 36 | – | * | 0·01 |
| | Aberdeen ... ... | 30·25 | 45 | SSW | 4 | c | 30·42 | + ·08 | 37 | 35 | − 8 | SSW | 3 | cm | 2 | 48 | 36 | bg, c | 1·3 | – |
| | Leith ... ... ... | 30·41 | 48 | SW | 2 | o | 30·47 | + ·08 | 40 | 38 | − 6 | WSW | 1 | cm | * | 50 | 38 | o, r | * | 0·02 |
| | North Shields ... | 30·42 | 41 | SW | 2 | m | 30·44 | − ·03 | 38 | 37 | − 4 | W | 3 | bc | 2 | 46 | 36 | m, p | * | – |
| | Spurn Head .. | 30·51 | 34 | S | 4 | c | 30·41 | − ·14 | 39 | 39 | + 6 | NW | 3 | f | 2 | 40 | 31 | – | * | 0·02 |
| | Yarmouth ... ... | 30·52 | 34 | W | 1 | c | 30·37 | − ·18 | 34 | 33 | − 2 | W | 4 | df | 3 | 37 | 30 | bc, v, c | * | 0·04 |
| | Clacton-on-Sea ... | 30·58 | 37 | E | 3 | bc | 30·45 | − ·14 | 32 | 32 | − 4 | W | 2 | o | 2 | 37 | 30 | o, c, b, or | 0·0 | 0·03 |
| | Nottingham ... | 30·53 | 34 | SW | 1 | o | 30·46 | − ·11 | 43 | 41 | + 13 | NW | 1 | cm | * | 46 | 29 | – | 0·0 | 0·01 |
| | Bath ... ... ... | 30·55 | 35 | NW | 1 | c | 30·49 | − ·09 | 40 | 39 | + 12 | W | 1 | o | * | 40 | 27 | – | 0·0 | – |
| | Oxford ... ... | 30·58 | 31 | W | 1 | o | 30·50 | − ·12 | 36 | 35 | + 8 | SW | 1 | of | * | 36 | 28 | of, o, p | * | 0·03 |
| | London (Brixton) ... | 30·55 | 34 | E | 1 | o | 30·46 | − ·12 | 33 | 32 | − 1 | N | 0 | odm | * | 37 | 30 | omb, o | 0·0 | 0·05 |
| GERMANY, &c. | The Scaw (Skagen) | 30·49 | 31 | W | 5 | o | 30·26 | − ·34 | 34 | 33 | − 2 | WSW | 4 | m | 1 | 36 | 30 | – | * | – |
| | Fanö ... ... ... | 30·58 | 30 | SSW | 2 | bc | 30·38 | − ·31 | 33 | 32 | + 6 | SW | 1 | o | * | 34 | 27 | – | * | – |
| | Cuxhaven ... ... | 30·62 | 30 | N | 0 | o | 30·43 | − ·25 | 26 | 25 | − 2 | S | 1 | o | * | 32 | 25 | – | * | – |
| | The Helder ... | 30·57 | 28 | ESE | 1 | o | 30·40 | − ·21 | 32 | 31 | + 4 | SW | 1 | o | 1 | 34 | 27 | – | * | – |
| | Brussels ... ... | * | * | * | * | * | 30·51 | − ·08 | 27 | 26 | + 3 | NNW | 1 | o | * | 31 | 24 | – | * | – |
| | Berlin ... ... ... | 30·59 | 28 | N | 0 | o | 30·45 | − ·20 | 29 | 28 | + 5 | SE | 1 | s | * | 28 | 24 | – | * | – |
| | Frankfürt ... ... | 30·50 | 31 | N | 3 | o | 30·42 | − ·11 | 31 | 30 | + 2 | N | 3 | o | * | 34 | 29 | – | * | – |
| | Munich ... ... | 30·34 | 27 | E | 4 | o | 30·29 | − ·08 | 29 | 29 | + 4 | E | 3 | f | * | 29 | 25 | – | * | – |
| FRANCE. | C. Gris Nez ... | 30·52 | 28 | ENE | 2 | o | 30·44 | − ·08 | 29 | 28 | − 1 | SE | 2 | o | 1 | 34 | 28 | – | * | – |
| | Brest ... ... ... | 30·56 | 38 | NNE | 1 | c | 30·54 | + ·01 | 43 | 42 | + 8 | N | 0 | o | 2 | 45 | 27 | – | * | – |
| | Lorient ... ... | 30·56 | 42 | ENE | 3 | bc | 30·55 | + ·02 | 37 | 36 | + 2 | NE | 2 | o | 2 | 50 | 34 | – | * | – |
| | Rochefort ... ... | 30·44 | 32 | NE | 4 | o | 30·48 | + ·02 | 31 | 30 | + 1 | NNE | 3 | o | * | 34 | 28 | o | * | – |
| | Biarritz ... ... | 30·44 | 36 | ENE | 3 | c | 30·49 | + ·10 | 33 | 30 | 0 | N | 0 | o | 2 | 41 | 30 | – | * | – |
| | Paris ... ... ... | 30·51 | 28 | N | 3 | b | 30·50 | − ·01 | 26 | 26 | 0 | N | 2 | o | * | 32 | 26 | – | * | – |
| | Belfort... ... ... | 30·38 | 27 | ENE | 6 | m | ?30·36 | + ·02 | 27 | 27 | 0 | NE | 3 | o | * | 29 | 26 | – | * | – |
| | Lyons ... ... ... | 30·39 | 30 | N | 2 | o | 30·43 | + ·06 | 29 | 28 | + 2 | N | 2 | o | * | 32 | 27 | – | * | – |
| | Nice ... ... ... | 30·04 | 43 | N | c | b | 30·00 | − ·08 | 43 | 35 | + 3 | E | 1 | o | 2 | 52 | 39 | – | * | – |
| | Perpignan ... ... | 30·22 | 35 | NW | 4 | b | 30·25 | + ·06 | 33 | 29 | − 4 | NW | 5 | b | * | 45 | 32 | – | * | – |
| SPAN. PEN. | Corunna ... ... | | | | | | | | | | | | | | | | | | * | |
| | Lisbon ... ... | 30·35 | 53 | NNE | 4 | b | 30·38 | + ·14 | 43 | 37 | − 7 | NE | 4 | b | * | 59 | 43 | – | * | – |
| | Azores (P. Delgada)... | 30·48 | 56 | E | 4 | b | 30·48 | + ·04 | 58 | 53 | + 1 | ENE | 5 | r | 4 | 63 | 54 | – | * | – |
| | ,, (Horta) ... | 30·46 | 58 | SSE | 4 | bc | 30·43 | ·00 | 58 | 52 | + 2 | ESE | 4 | b | 2 | 63 | 56 | – | * | – |

**NOTE:** *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

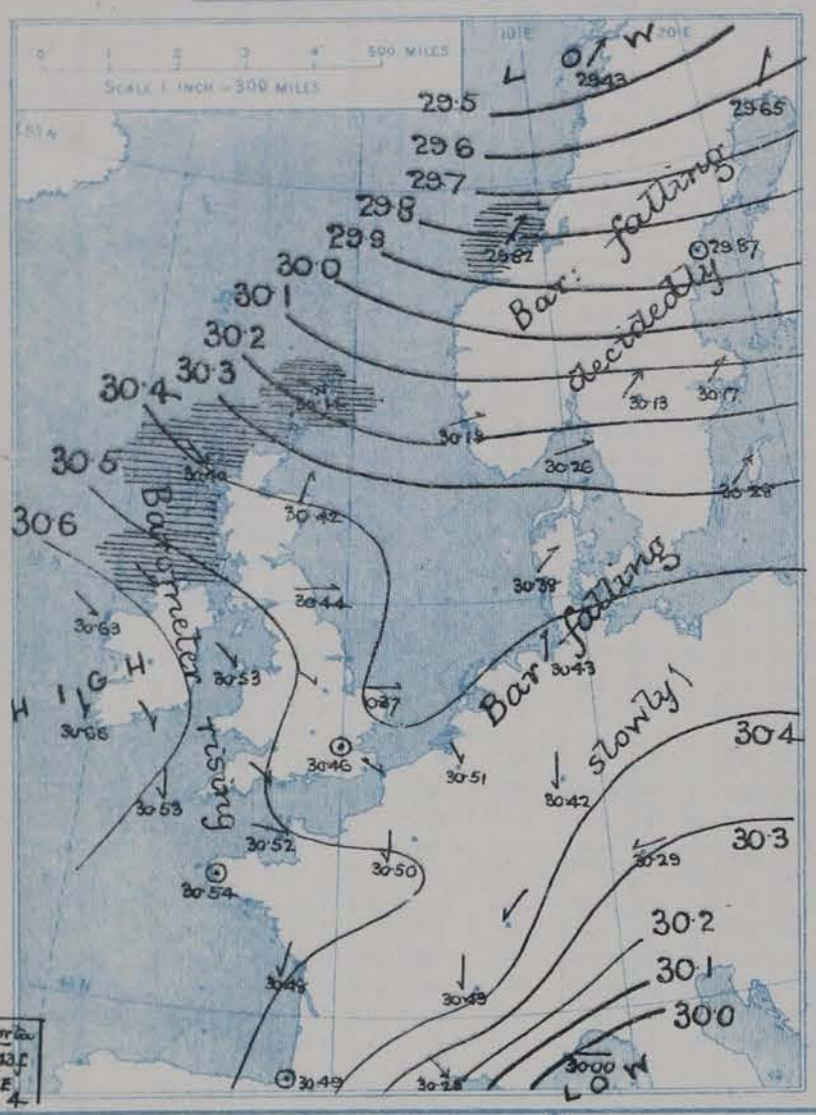
† *Observations received too late for insertion in Charts on next page.*

# WEATHER CHARTS

## FOR THURSDAY, 21st JANUARY, 1904.

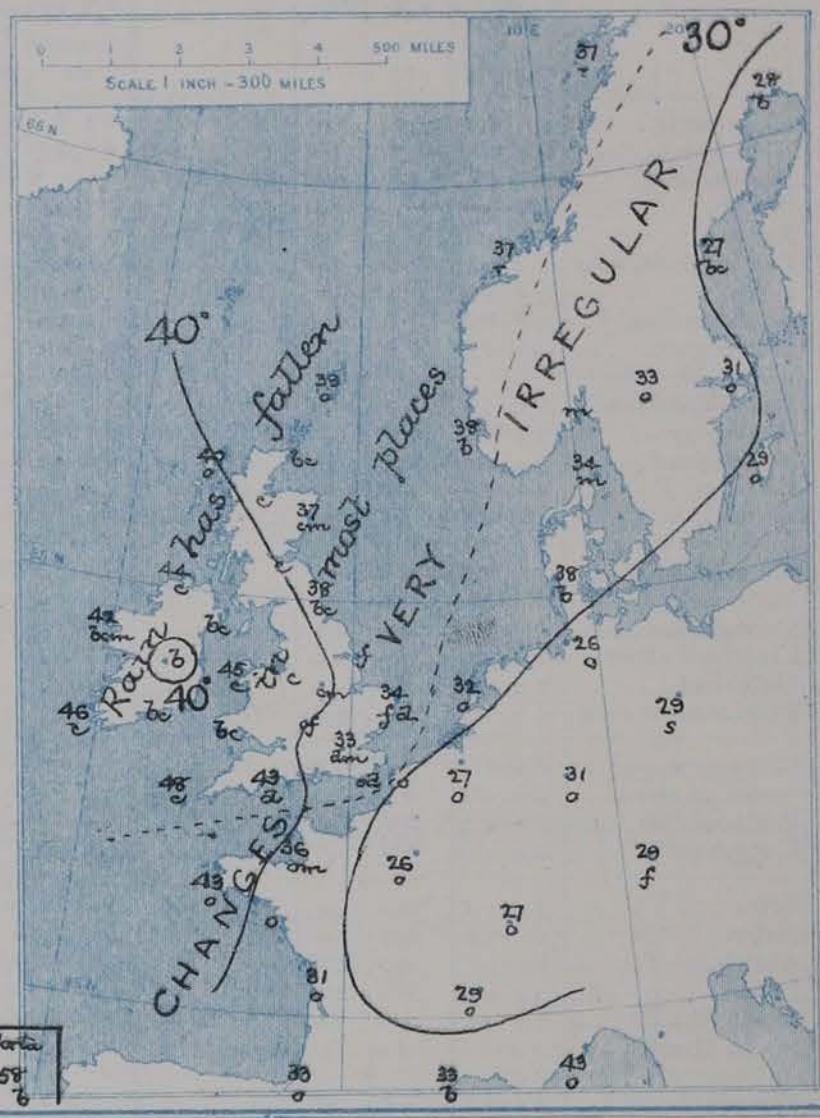
### I. BAROMETER, WIND AND SEA. *This Morning.*

*BAROMETER.—Isobars are drawn for each tenth of an inch.*
*WIND.—Arrows show Directions and Force, flying with the wind.*
*Force above 10* — *Force 8 to 10* — *Force 5 to 7* — *Force 1 to 4* — Calm
*SEA.—Rough* — *High*



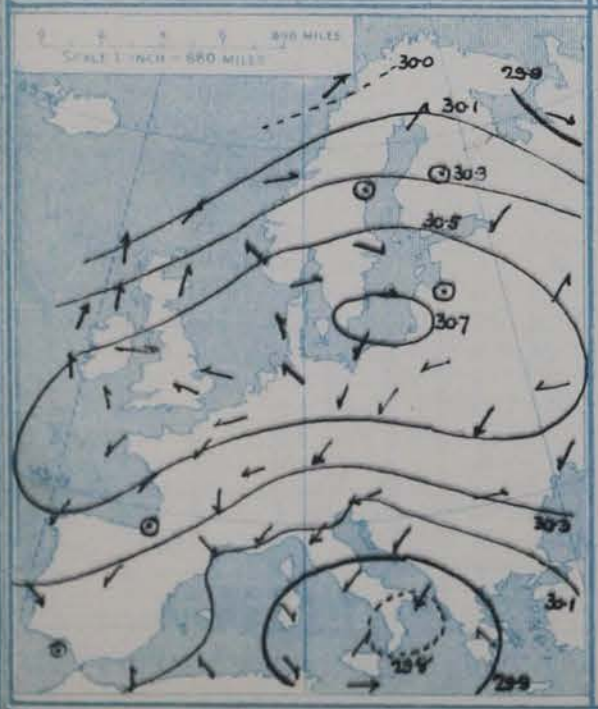

### II. TEMPERATURE AND WEATHER. *This Morning.*

*TEMPERATURE.—Isotherms are drawn for each 10°*
*WEATHER.—Shown by Letters of the Beaufort Scale.* *(See P. 4.)*
*RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus - 0·6*




### III. BAROMETER AND WIND

*Yesterday morning.*



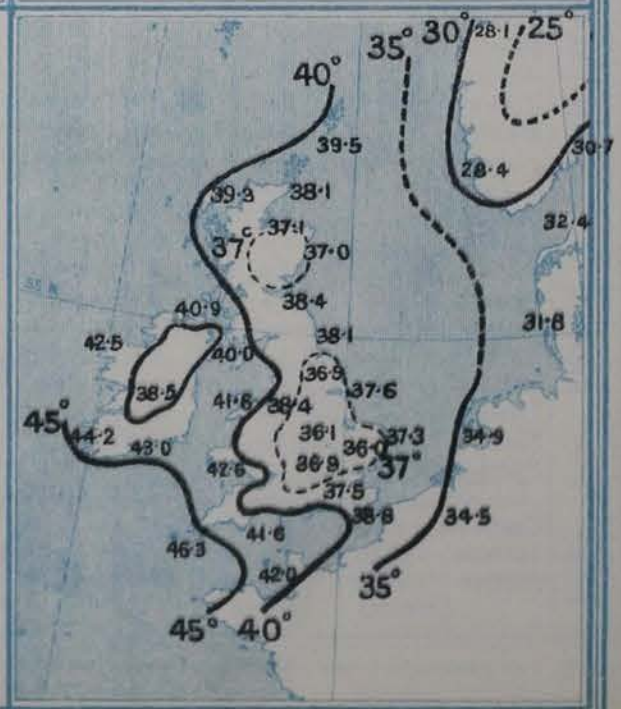

### IV. BRIGHT SUNSHINE IN 1904.

Total duration recorded in various districts of the United Kingdom in the 2 weeks ending Saturday 16th Jan., with the percentage of the average duration.

### V. *Means of* DAILY TEMPERATURE

*at 8 A.M. for the monthly period*

JANUARY (1871–1900.)



# GENERAL SITUATION AT 8 A.M.

**PRESSURE**

Since yesterday morning a considerable change has taken place in the distribution of pressure. A large depression has advanced over northern Europe from the westward; a shallow secondary of a "V" shaped type has formed between our east coast and the Netherlands, while the barometer has risen and become highest over Ireland and the adjacent portion of the Atlantic. The readings now range from above 30·6 ins. at most Irish stations to 29·43 ins. at Bodö, and to 30·0 ins. in the southeast of France. Gradients are moderate or slight except over Scandinavia.

**WIND TEMPERATURE WEATHER AND SEA**

Over the United Kingdom the wind is mainly NW^ly and of little strength, but in the Shetlands and on our most northwestern coasts it is strong. Over Scandinavia it draws into SW, and blows a gale in the west of Norway, while over France and Germany it varies between E and N. Temperature has changed irregularly; over central England it has risen many degrees, while in Scotland it has fallen. It ranges from 48° at Scilly and 45° and Holyhead to 33° in London and to 32° at Dungeness, and from 43° at Brest and Nice to 27° at Hernösand and Brussels, and to 26° at Cuxhaven. The weather is fair over our own western districts and in the north of Sweden, but in almost all other parts of our area it is very cloudy or overcast, with rain along the west coast of Norway, snow at Berlin, and fog and drizzle in the east and south of England. The sea is rough off our north and northwest coasts and at Christiansund, smooth or slight generally.

The maximum temperatures recorded yesterday varied between 50° or 51° at some of our outlying western and southwestern stations and at Nairn and Leith to 37° or 36° in the southeast. Slight rain has been experienced in most parts of the United Kingdom, and 0·43 in. at Christiansund. The amount of sunshine was again extremely small generally, but at Jersey there were 5·1 hrs. and at Skegness 5·8.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The shallow depression in the southeast will probably move away very slowly towards Germany, and the anticyclone in the west spread further over the Kingdom. Fair weather is likely to continue in the west, and some improvement may be looked for by tonight in the east and southeast of England.

# FORECASTS*

*For the 24 hours ending at NOON on* 22nd January, 1904

| DISTRICTS. | FORECASTS. | DISTRICTS. | FORECASTS. |
|---|---|---|---|
| 0 SCOTLAND NORTH | NW^ly to W^ly winds, fresh or strong in places; fair generally, but rain or snow locally. | 6 SCOTLAND WEST | Same as Nos. 0 & 1. |
| 1 SCOTLAND EAST | | 7 ENGLAND N.W. | N^ly and NW^ly winds, moderate or light generally; fair, frost inland at night. |
| 2 ENGLAND N.E. | Wind becoming NW^ly or N^ly, remaining light; mist or fog, with slight rain, then becoming drier. Frost at night. | 8 ENGLAND S.W | |
| 3 ENGLAND EAST | | 9 IRELAND NORTH | |
| 4 MIDLAND COUNTIES | | 10 IRELAND SOUTH | |
| 5 ENGLAND SOUTH | | WARNINGS | The South Cone is still flying in district 6 and parts of 0 and 9. |

*Note.*—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

# REPORTS FOR YESTERDAY.

| STATIONS. | Temperature F. Max. | Temperature F. Min. | Weather. | Sunshine. Hrs. | Rainfall. Ins. |
|---|---|---|---|---|---|
| Blackpool, to 9 p.m. ... ... | 46 | 40 | o m, d, or | 0·0 | 0·06 |
| Southport, to 9 p.m.... ... | 45 | 42 | o, o f d, o | 0·0 | 0·03 |
| Rhyl, ... ... ... ... ... ... | * | * | * | 0·0 | * |
| Llandudno ... ... ... ... | * | * | * | 0·0 | * |
| Bettws-y-Coed, to 6 p.m.... | 46 | 38 | o m, o | 0·0 | * |
| Aberystwyth, to 6 p.m. ... | 45 | 42 | o m | 0·0 | 0·04 |
| Plymouth, to 9 p.m.... ... | 48 | 36 | o | 0·0 | – |
| Bournemouth to 6 p.m. ... | | | | 0·0 | |
| Worthing ... ... ... ... | * | * | * | 0·0 | * |
| Brighton ... ... ... ... | | * | * | 0·0 | * |
| Eastbourne, to 6 p.m. ... | | * | * | 0·0 | * |

| STATIONS. | Temperature F. Max. | Temperature F. Min. | Weather. | Sunshine. Hrs. | Rainfall. Ins. |
|---|---|---|---|---|---|
| Hastings ... ... ... ... | * | * | * | 0·0 | * |
| Broadstairs... ... ... ... | * | * | * | | * |
| Margate ... ... ... ... | 36 | * | * | 0·0 | * |
| Lowestoft, to 6 p.m.... ... | 35 | 32 | c, o | 0·0 | – |
| Skegness ... ... ... ... | * | * | * | 5·8 | * |
| Scarborough, to 6 p.m. ... | | * | * | | * |
| Harrogate, to 6 p.m. ... | 46 | 37 | c, m, o | 0·0 | – |
| Manchester, to 9 p.m. ... | 49 | 38 | o g, r, u | 0·0 | 0·03 |
| Darwen, to 9 p.m. ... .. | 43 | 37 | o m d, o d | 0·0 | 0·02 |
| Birmingham, to 9 p.m. ... | 44 | 29 | b, m, o | 0·0 | – |

## TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

| STATIONS. 20th Jany. 1904 | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|
| Copenhagen ... ... ... | 34 | 25 | f, f | – |
| Utrecht... ... ... ... ... | 34 | 27 | o, o | – |
| Groningen ... ... ... ... | 34 | 27 | o, m | – |
| Vienna ... ... ... ... ... | 34 | 30 | o, o | 0·08 |
| Marseilles ... ... ... ... | 50 | 34 | o, o | 0·04 |
| Florence ... ... ... ... | 41 | 38 | o, b | – |
| Rome ... ... ... ... ... | 46 | 37 | b, c | – |
| Naples ... ... ... ... ... | 46 | 35 | b, + | – |
| Palermo ... ... ... ... | 51 | 37 | c, bc | – |
| Malta ... ... ... ... ... | 51 | 33 | c | 0·20 |

| STATIONS. | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|
| Algiers ... ... ... ... | 55 | 45 | c, + | 2·28 |
| Tunis ... ... ... ... | 52 | 34 | bc, c | – |
| Madeira (Funchal) ... ... | Not | rec.d | | |
| 19th Jany. 1904 | 1 p.m. | | 1 p.m. | Measured 7 a.m. |
| Geneva ... ... ... ... | 32 | * | o | |
| Berne ... ... ... ... | 27 | * | o | 0·04 |
| Coire ... ... ... ... | 27 | * | o | – |
| Castasegna ... ... ... | 37 | * | b | – |
| Lugano ... ... ... ... | 37 | * | b | – |
| Davos ... ... .. ... | 19 | * | b | 0·04. |

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

### TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

| COUNTRIES, &c. | Hours of Morning Observations by Local Standard Time. | Corresponding Greenwich Times. | Hours of Evening Observations by Local Standard. | Corresponding Greenwich Times. |
|---|---|---|---|---|
| British Isles, Belgium† ... | 8 a.m. (West European) | 8 a.m. | 6 p.m.‡ (W.E.T.) | 6 p.m.‡ |
| Holland ... ... ... ... ... | 8 a.m. ( „ „ ) | 8 a.m. | 7 p.m. (W.E.T.) | 7 p.m. |
| Germany, Denmark, Norway, Sweden | 8 a.m. (Mid-European) | 7 a.m. | 8 p.m. (M.E.T.) | 7 p.m. |
| France ... ... ... ... ... | 7 a.m. (Paris) ... ... | 6.51 a.m. | 6 p.m. (Paris) | 5.51 p.m. |
| Spain ... ... ... ... ... | 8 a.m. (West European) | 8 a.m. | 6 p.m. (W.E.T.) | 6 p.m. |
| Portugal ... ... ... ... ... | 8 a.m. (Lisbon) ... ... | 8.36 a.m. | 3.23 p.m. (Lisbon) | 4 p.m. |
| Azores: Ponta Delgada ... ... | 6 a.m. (Local) ... ... | 7.43 a.m. | 9 p.m. (Local) | 10.43 p.m. |
| Azores: Horta ... ... ... | 6 a.m. (Local) ... ... | 7.55 a.m. | 9 p.m. (Local) | 10.55 p.m. |

### TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

| 21st Jany. 1904 | Sunrise G.M.T. | Noon G.M.T. | Sunset G.M.T. |
|---|---|---|---|
| Yarmouth ... ... ... | 7.52 | 12.4 | 4.16 |
| Greenwich ... ... ... | 7.55 | 12.11 | 4.27 |
| Wick ... ... ... ... | 8.42 | 12.23 | 4.5 |
| Valencia ... ... ... | 8.38 | 12.52 | 5.6 |

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† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

# DAILY WEATHER REPORT

*for 8 a.m. on* Friday, 22nd January, **1904.**

*Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London.* **W. N. SHAW,** *Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins. | Temp. Dry Bulb. ° | Wind. Direc. | Wind. Force (0 to 12.) | Weather | THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins. | Barometer. Change since Yesterday. Ins. | Temperature. Dry Bulb. ° | Temperature. Wet Bulb. ° | Temperature. Change since Yesterday. ° | Wind. Direc. | Wind. Force (0 to 12.) | Weather. | Sea (0 to 9.) | PAST 24 HOURS. Temp. Max. ° | Temp. Min. ° | Weather | Sunshine Hours | Rainfall Ins. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SCANDINAVIA | Haparanda... ... | 29·67 | 28 | SW | 4 | b | 29·81 | +·16 | 26 | 25 | − 2 | W | 6 | c | * | 30 | 23 | – | * | – |
| | Hernösand ... ... | 30·13 | 28 | Z | 0 | b | 30·21 | +·34 | 26 | 24 | − 1 | W | 4 | 0 | * | 32 | 23 | – | * | – |
| | Stockholm ... ... | 30·19 | 32 | Z | 0 | b | 30·43 | +·26 | 23 | 21 | − 8 | W | 2 | b | * | 36 | 23 | – | * | – |
| | Wisby... ... ... | 30·26 | 33 | W | 4 | 0 | 30·41 | +·13 | 33 | 32 | + 4 | Z | 0 | bc | * | 36 | 28 | – | * | – |
| | Karlstad ... ... | 30·28 | 30 | Z | 0 | b | 30·50 | +·37 | 18 | 18 | − 15 | N | 2 | b | * | * | * | – | * | – |
| | Færder (X'iania Fjord) | 30·28 | 37 | W | 4 | b | 30·48 | +·37 | 30 | 29 | − 8 | N | 1 | b | 2 | 39 | 30 | – | * | – |
| | Bodö ... ... ... | 29·79 | 27 | W | 8 | s | 29·65 | +·22 | 32 | 31 | − 5 | NW | 8 | s | 5 | 37 | 27 | – | * | – |
| | Christiansund ... | 30·32 | 31 | WNW | 7 | c | 30·10 | +·28 | 35 | 31 | − 2 | SW | 7 | 0 | 5 | 37 | 30 | – | * | 0·20 |
| | Skudesnaes ... | 30·47 | 33 | NNW | 2 | b | 30·54 | +·35 | 33 | 29 | − 5 | ?E | 2 | b | 1 | 38 | 30 | c,b | * | * |
| BRITISH ISLANDS. | Sumburgh Head | 30·49 | 34 | N | 1 | 0 | 30·22 | +·08 | 47 | 46 | + 8 | W | 5 | 0 | 6 | 47 | 34 | c | | 0·03 |
| | Stornoway ... ... | 30·55 | 40 | NW | 3 | 0 | 30·44 | +·04 | 48 | 47 | + 8 | W | 5 | 0 | 5 | 49 | 37 | 0 | 0·0 | 0·02 |
| | Malin Head ... | 30·67 | 42 | NW | 1 | b | 30·63 | +·11 | 44 | 44 | 0 | SW | 3 | op | 3 | 45 | 37 | c,b | * | 0·05 |
| | Blacksod Pt. ... | 30·69 | 45 | SW | 3 | c | 30·70 | +·07 | 46 | 46 | + 4 | W | 3 | c | 3 | 48 | 41 | bm,c | * | 0·01 |
| | Valencia ... ... | 30·73 | 45 | Z | 0 | c | 30·75 | +·09 | 44 | 43 | − 2 | SSE | 1 | c | 3 | 50 | 42 | c | 1·5 | 0·02 |
| | Roche's Point ... | 30·74 | 41 | NNE | 1 | b | 30·76 | +·13 | 38 | 38 | − 7 | N | 1 | 0 | 1 | 49 | 36 | bc,b | * | 0·01 |
| | Parsonstown ... | 30·73 | 38 | E | 1 | b | 30·74 | +·11 | 38 | 37 | − 1 | E | 1 | 0 | * | 46 | 32 | – | 5·5 | – |
| | Donaghadee ... | 30·69 | 43 | NNE | 3 | cp | 30·70 | +·16 | 40 | 39 | − 1 | W | 2 | c | 2 | 44 | 34 | – | * | 0·03 |
| | Liverpool Obsy... | 30·65 | 40 | NW | 1 | b | 30·76 | +·23 | 33 | 32 | − 8 | WNW | 1 | b | ? | 43 | 31 | – | * | – |
| | Holyhead ... ... | 30·76 | 43 | N | 3 | bp | 30·73 | +·20 | 39 | 38 | − 6 | SW | 1 | cm | 1 | 45 | 36 | c,bp | * | 0·02 |
| | Pembroke (St Ann's) | 30·65 | 43 | NNE | 4 | bc | 30·74 | +·22 | 37 | 35 | − 7 | NE | 2 | bm | 2 | 47 | 33 | bcp | 2·7 | 0·01 |
| | Scilly (St. Mary's) ... | 30·62 | 48 | N | 4 | c | 30·67 | +·14 | 48 | 43 | 0 | ENE | 3 | bc | 5 | 50 | 43 | c | 4·9 | – |
| | Jersey (St. Aubins) ... | 30·51 | 44 | NNE | 3 | bcm | 30·63 | +·11 | 42 | 40 | + 6 | NE | 4 | c | 3 | 46 | 36 | f,o,bcm | 0·3 | 0·01 |
| | Portland Bill ... | 30·57 | 41 | NNE | 3 | bcm | 30·69 | +·20 | 35 | 33 | − 8 | N | 2 | bw | 2 | 45 | 34 | bcm | * | 0·01 |
| | Dungeness ... ... | 30·51 | 39 | N | 1 | bc | 30·64 | +·22 | 35 | 35 | + 3 | NE | 4 | c | 2 | 41 | 31 | m,bc,p | 0·0 | 0·02 |
| | Wick ... ... ... | 30·48 | 42 | NW | 3 | c | 30·39 | +·11 | 42 | 41 | + 5 | W | 3 | bc | 2 | 42 | 36 | – | * | 0·05 |
| | Nairn ... ... ... | 30·57 | 40 | W | 1 | 0 | 30·48 | +·08 | 43 | 41 | + 5 | SW | 3 | c | 1 | 44 | 34 | – | * | 0·03 |
| | Aberdeen ... ... | 30·60 | 39 | WSW | 1 | 0 | 30·53 | +·11 | 40 | 38 | + 3 | SSW | 3 | cm | 2 | 41 | 35 | c,o | 0·2 | – |
| | Leith ... ... ... | 30·59 | 42 | WSW | 1 | 0 | 30·61 | +·14 | 40 | 38 | 0 | WSW | 2 | o | * | 43 | 36 | – | * | – |
| | North Shields ... | 30·61 | 41 | NW | 2 | bc | 30·66 | +·22 | 34 | 33 | − 4 | SW | 2 | m | 2 | 44 | 31 | bcm | * | – |
| | Spurn Head .. | 30·58 | 40 | NW | 3 | b | 30·69 | +·28 | 36 | 35 | − 3 | WNW | 3 | f | 2 | 43 | 33 | – | * | – |
| | Yarmouth ... ... | 30·50 | 40 | N | 3 | c | 30·66 | +·29 | 34 | 33 | 0 | NW | 2 | bf | 2 | 42 | 32 | c | * | 0·04 |
| | Clacton-on-Sea ... | 30·54 | 40 | NNW | 2 | bc | 30·68 | +·23 | 34 | 33 | + 2 | NNW | 3 | b | 2 | 42 | 32 | o,c,bc | 1·2 | 0·01 |
| | Nottingham ... | 30·61 | 39 | NNE | 1 | b | 30·73 | +·27 | 28 | 27 | − 15 | SW | 1 | f | * | 45 | 27 | b | 2·6 | – |
| | Bath ... ... ... | 30·60 | 43 | W | 3 | bc | ? | | 29 | 29 | − 11 | E | 1 | f | * | 45 | 26 | – | 5·0 | – |
| | Oxford ... ... | 30·66 | 35 | N | 1 | b | 30·76 | +·26 | 29 | 29 | − 7 | NW | 1 | b | * | 45 | 27 | bf | * | – |
| | London (Brixton) ... | 30·55 | 41 | NE | 1 | bc | 30·70 | +·24 | 33 | 32 | 0 | E | 1 | bcm | * | 44 | 32 | df,bm | 0·0 | – |
| GERMANY, &c. | The Scaw (Skagen) | 30·33 | 36 | NW | 3 | b | 30·50 | +·24 | 30 | 30 | − 4 | Z | 0 | bc | 0 | 37 | 28 | – | * | – |
| | Fanö ... ... ... | 30·48 | 35 | W | 2 | b | 30·59 | +·21 | 33 | 32 | 0 | WNW | 2 | o | * | 37 | 32 | – | * | – |
| | Cuxhaven ... ... | 30·46 | 31 | SW | 1 | 0 | 30·61 | +·18 | 33 | 32 | + 7 | N | 1 | o | * | 34 | 26 | o,f | * | – |
| | The Helder ... | 30·48 | 38 | NNE | 2 | 0 | 30·63 | +·23 | 35 | 35 | + 3 | NNE | 1 | b | 2 | 38 | 30 | – | * | 0·04 |
| | Brussels ... ... | * | * | * | * | * | 30·65 | +·14 | 32 | 32 | + 5 | NE | 1 | f | * | 32 | 25 | – | * | – |
| | Berlin ... ... ... | 30·44 | 30 | NW | 3 | 0 | 30·56 | +·11 | 28 | 28 | − 1 | NW | 2 | f | * | 32 | 27 | – | * | – |
| | Frankfürt ... ... | 30·45 | 33 | N | 3 | 0 | 30·60 | +·18 | 28 | 27 | − 3 | N | 3 | b | * | 34 | 27 | – | * | – |
| | Munich ... ... | 30·30 | 29 | Z | 0 | s | 30·42 | +·13 | 26 | 26 | − 3 | NE | 4 | o | * | 30 | 26 | – | * | 0·08 |
| FRANCE. | C. Gris Nez ... | 30·43 | 41 | NE | 4 | r | 30·60 | +·16 | 40 | 37 | + 11 | NE | 2 | o | 3 | 41 | 29 | – | * | 0·08 |
| | Brest ... ... ... | 30·55 | 46 | NNE | 4 | 0 | 30·62 | +·08 | 40 | 37 | − 3 | NE | 2 | b | 2 | 46 | 39 | – | * | – |
| | Lorient ... ... | 30·48 | 45 | NNE | 3 | m | 30·54 | −·01 | 43 | 43 | + 6 | NE | 4 | c | 2 | 46 | 37 | – | * | – |
| | Rochefort ... ... | 30·43 | 34 | NNE | 3 | 0 | 30·45 | −·03 | 33 | 32 | + 2 | NE | 5 | o | * | 36 | 28 | o | * | – |
| | Biarritz ... ... | 30·51 | 33 | Z | 0 | 0 | 30·39 | −·10 | ?33 | 32 | 0 | E | 1 | o | 2 | 34 | 32 | – | * | – |
| | Paris ... ... ... | 30·48 | 28 | NE | 3 | 0 | 30·56 | +·06 | 32 | 31 | + 6 | NE | 3 | o | * | ? | 26 | – | * | – |
| | Belfort... ... ... | 30·34 | 28 | ENE | 4 | f | 30·40 | +·04 | 28 | 27 | + 1 | ENE | 5 | m | * | 30 | 27 | – | * | – |
| | Lyons ... ... ... | 30·39 | 29 | N | 2 | 0 | 30·40 | −·03 | 31 | 30 | + 2 | N | 1 | o | * | 31 | 29 | – | * | – |
| | Nice ... ... ... | 29·98 | 48 | Z | 0 | b | 30·06 | +·06 | 45 | 37 | + 2 | NE | 3 | bc | 2 | 54 | 41 | – | * | – |
| | Perpignan ... ... | 30·20 | 34 | NW | 6 | b | 30·28 | +·03 | 32 | 30 | − 1 | NW | 2 | b | * | 39 | 31 | – | * | – |
| SPAN. PEN. | Corunna ... ... | | | | | | | | | | | | | | | | | | * | |
| | Lisbon ... ... | 30·24 | 46 | NNE | 4 | b | 30·10 | −·28 | 43 | 39 | 0 | NNE | 5 | b | * | 52 | 41 | – | * | – |
| | Azores (P. Delgada)... | 30·49 | 57 | E | 5 | 0 | 30·42 | −·06 | 56 | 51 | − 2 | ENE | 4 | o | 3 | 61 | 54 | – | * | – |
| | „ (Horta) ... | 30·46 | 59 | SE | 5 | b | 30·42 | −·01 | 59 | 53 | + 1 | ESE | 4 | o | 4 | 63 | 55 | – | * | – |

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

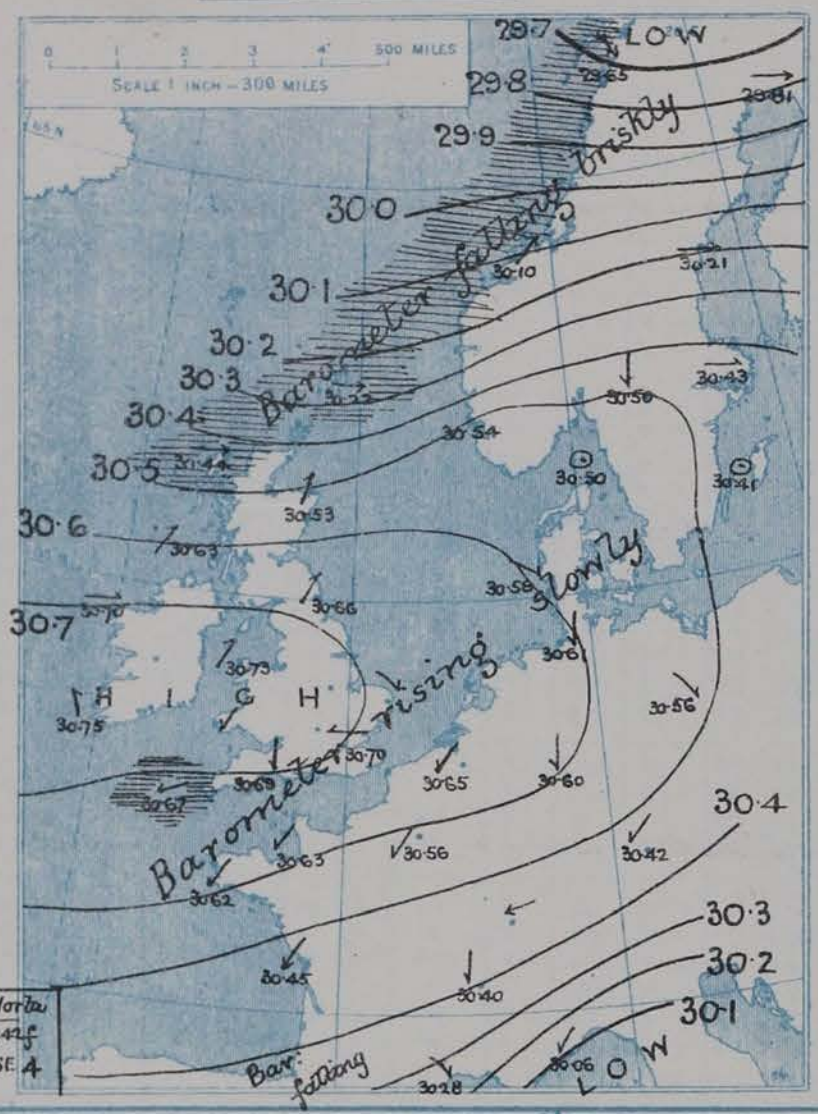
† *Observations received too late for insertion in Charts on next page.*

# WEATHER CHARTS

## FOR FRIDAY 22ND JANUARY, 1904.

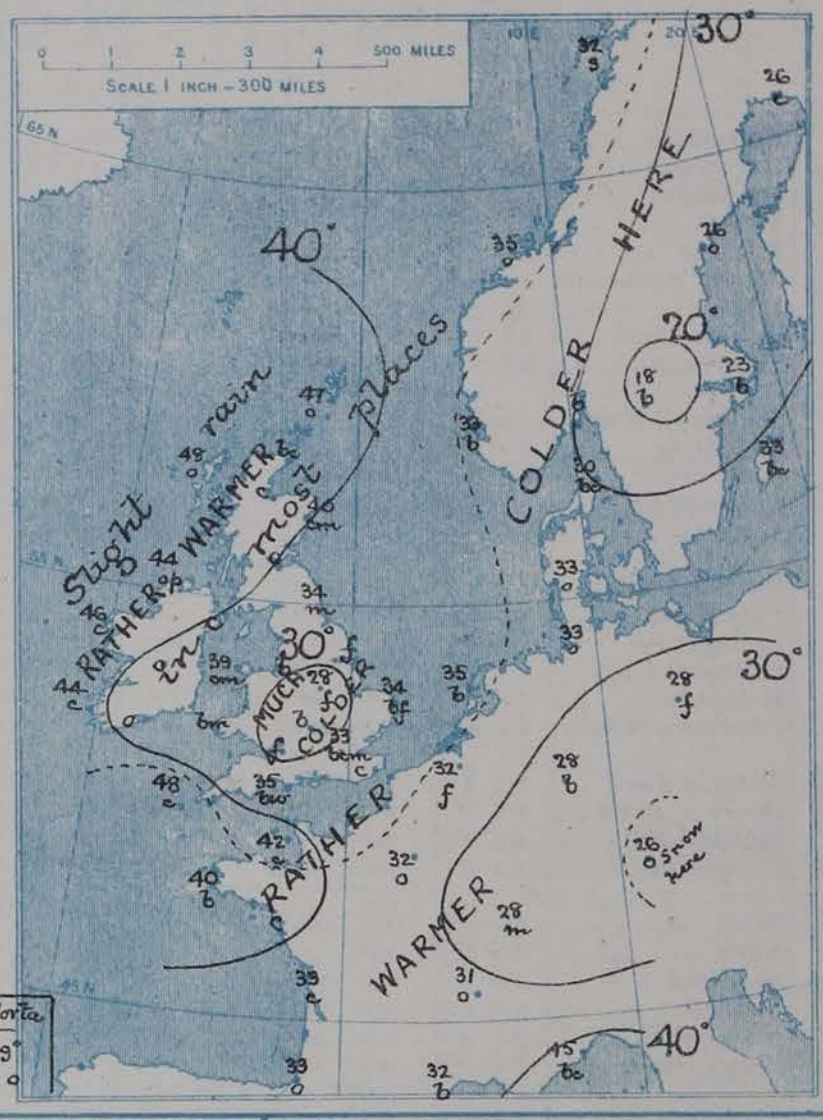
### I. BAROMETER, WIND AND SEA. *This Morning.*

*BAROMETER.—Isobars are drawn for each tenth of an inch.*
*WIND.—Arrows show Directions and Force, flying with the wind.*
*Force above 10* ; *Force 8 to 10* ; *Force 5 to 7* ; *Force 1 to 4* ; Calm ⊙
*SEA.—Rough* ; *High*




### II. TEMPERATURE AND WEATHER. *This Morning.*

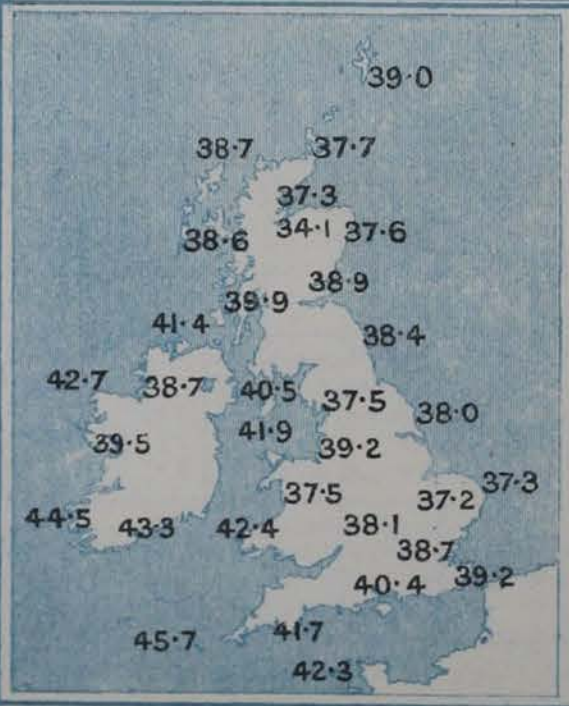
*TEMPERATURE.—Isotherms are drawn for each 10°.*
*WEATHER.—Shown by Letters of the Beaufort Scale.* *(See P. 4.)*
*RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus – 0·6*




### III. BAROMETER AND WIND

*Yesterday morning.*

### IV. *Averages of* DAILY MAXIMUM *and* MINIMUM TEMPERATURES *combined for the month of* JANUARY. *(1871–1900.)*



### V. *Means of* DAILY TEMPERATURE *at 8 A.M. for the Two monthly period* JANUARY–FEBRUARY *(1871–1900)*

# GENERAL SITUATION AT 8 A.M.

**PRESSURE**

An anticyclone of considerable intensity has spread from the Atlantic over the greater part of Western Europe, the central portion of the system being at present situated over Ireland and England, where the barometer has risen above 30.7 ins. The depression which lay yesterday morning off the coasts of Finmark is travelling away to the northeastward, but a fresh disturbance is approaching the west of Norway, so that the barometer is again falling in the latter neighbourhood, as well as on our own northern coasts. In all other parts of Western Europe the mercury is at present rising.

**WIND TEMPERATURE WEATHER AND SEA**

The new depression in the north has occasioned a backing of the wind to West or Southwest on all our northern coasts, with a rise of temperature; in the Shetlands and Hebrides, where the Westerly breeze is freshening, and the sky is cloudy, the thermometer is now above 45°. In Denmark and Germany the wind is Northerly, while in France, the Netherlands and the south of our Islands it is Northeasterly, frost being now prevalent over England and the western parts of the Continent generally. The lowest morning temperatures reported are:- In this country, 28° at Nottingham, and 29° at Bath and Oxford; on the Continent, 18° at Karlstad, and 23° at Stockholm and Paris. The reading at Nottingham is 20° lower than at Stornoway. Fog is reported at many of the English stations but over Western Europe as a whole the weather is fair. In the extreme north the sky is overcast, and at Bodö snow is falling. The sea is rather rough off the north of Scotland and the west of Norway, as well as at Scilly, but is slight or smooth elsewhere.

A little rain fell yesterday at most of our western and extreme northern stations, as well as on some parts of our eastern coasts. A considerable amount of bright sunshine was recorded over central Ireland and the west and north of England, — as much as 6.1 hrs. at Harrogate and 6.0 hrs. at Aberystwyth; elsewhere there was little or none. Sharp frost occurred last night over the inland parts of England; at Oxford the thermometer on the grass fell to 16°, and in London to 25°.

**PROBABLE CHANGES IN SYSTEM NOW PREVALENT**

Anticyclonic conditions are likely to continue for the present over the greater part of England, and frosty weather is therefore probable, with fog in places. In Scotland the weather is coming under the influence of a cyclonic system which is approaching the west of Norway, and on our extreme northern coasts the wind is likely to increase in strength from the W.d and NW.d.

# FORECASTS*

*For the 24 hours ending at NOON on* 23RD JANUARY, 1904

| DISTRICTS. | FORECASTS. |
|---|---|
| 0 SCOTLAND NORTH | Wly. to N.Wly. winds, increasing in strength; squally, some rain, followed by hail or sleet. |
| 1 SCOTLAND EAST | Wly. winds, freshening; fair at first, some showers later, becoming temporarily milder. |
| 2 ENGLAND N.E. | |
| 3 ENGLAND EAST | Variable breezes, finally Wly.; fair, cold, fog or mist in places. |
| 4 MIDLAND COUNTIES | |
| 5 ENGLAND SOUTH | |
| 6 SCOTLAND WEST | Same as Nos. 1 and 2. |
| 7 ENGLAND N.W. | Wly. winds, light or moderate; fair generally, rather milder. |
| 8 ENGLAND S.W | N.Ely. to variable breezes; fair, cold. |
| 9 IRELAND NORTH | Wly. winds freshening; cloudy, some showers. |
| 10 IRELAND SOUTH | Same as No. 7. |
| WARNINGS | At 3.15 pm yesterday to District 6, and parts of 0 and 9, "LOWER CONE". At 9.30 am. today to District 0 and part of 1, "HOIST SOUTH CONE." |

*Note.*—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone

* *For terms for transmission of Forecasts by Telegraph, see next page.*

# REPORTS FOR YESTERDAY.

| STATIONS. | Temperature F. Max. | Temperature F. Min. | Weather. | Sunshine Hrs. | Rainfall Ins. |
|---|---|---|---|---|---|
| Blackpool, to 9 p.m. ... ... | 44 | 31 | bc, b | 5.7 | 0.03 |
| Southport, to 9 p.m. ... ... | 44 | 31 | or, b | 5.5 | 0.02 |
| Rhyl, ... ... ... ... ... ... | * | * | * | | * |
| Llandudno ... ... ... ... | * | * | * | 3.0 | * |
| Bettws-y-Coed, to 6 p.m. ... | 46 | 39 | bc, b | 1.2 | * |
| Aberystwyth, to 6 p.m. ... | 45 | 41 | c | 6.0 | – |
| Plymouth, to 9 p.m. ... ... | 48 | 40 | bc, b | 2.5 | 0.02 |
| Bournemouth to 6 p.m. ... | | | | 3.0 | |
| Worthing ... ... ... ... | * | * | * | 0.6 | * |
| Brighton ... ... ... ... | 44 | * | * | 0.0 | * |
| Eastbourne, to 6 p.m. ... | 43 | * | * | 0.0 | * |
| Hastings ... ... ... ... | * | * | * | 0.0 | * |
| Broadstairs ... ... ... ... | * | * | o, r | 0.0 | * |
| Margate ... ... ... ... | 43 | 29 | c, r | 0.0 | 0.01 |
| Lowestoft, to 6 p.m. ... ... | 41 | 29 | c, om, c | 0.0 | 0.09 |
| Skegness ... ... ... ... | * | * | * | 3.3 | * |
| Scarborough, to 6 p.m. ... | 44 | * | * | 2.6 | * |
| Harrogate, to 6 p.m. ... | 45 | 37 | o, bv | 6.1 | 0.01 |
| Manchester, to 9 p.m. ... | 44 | 37 | r, bc, m | 0.5 | 0.05 |
| Darwen, to 9 p.m. ... .. | 42 | 31 | od, cm, bm | 3.5 | 0.03 |
| Birmingham, to 9 p.m. ... | 42 | 34 | o, c, o | 0.2 | 0.01 |

## TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

| STATIONS. 21st Jany, 1904 | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|
| *Obsns. not received.* | | | | |
| Copenhagen ... ... ... | | | | |
| Utrecht ... ... ... ... ... | | | | |
| Groningen ... ... ... ... | | | | |
| Vienna ... ... ... ... ... | | | | |
| Marseilles ... ... ... ... | | | | |
| Florence ... ... ... ... | | | | |
| Rome ... ... ... ... ... | | | | |
| Naples ... ... ... ... ... | | | | |
| Palermo ... ... ... ... | | | | |
| Malta ... ... ... ... ... | | | | |

| STATIONS. | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|
| *Obsns. not received.* | | | | |
| Algiers ... ... ... ... | | | | |
| Tunis ... ... ... ... | | | | |
| Madeira (Funchal) ... ... | | | | |
| *20th January.* | 1 p.m. | | 1 p.m. | Measured 7 a.m. |
| Geneva ... ... ... ... | 30 | * | o | — |
| Berne ... ... ... ... | 27 | * | o | 0.04 |
| Coire ... ... ... ... | 25 | * | b | — |
| Castasegna ... ... ... | 34 | * | c | — |
| Lugano ... ... ... ... | 39 | * | bc | — |
| Davos ... ... .. ... | 18 | * | b | — |

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

**WEATHER.**—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

### TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

| COUNTRIES, &c. | Hours of Morning Observations by Local Standard Time. | Corresponding Greenwich Times. | Hours of Evening Observations by Local Standard. | Corresponding Greenwich Times. |
|---|---|---|---|---|
| British Isles, Belgium† ... | 8 a.m. (West European) | 8 a.m. | 6 p.m.‡ (W.E.T.) | 6 p.m.‡ |
| Holland ... ... ... ... ... | 8 a.m. ( „ „ ) | 8 a.m. | 7 p.m. (W.E.T.) | 7 p.m. |
| Germany, Denmark, Norway, Sweden | 8 a.m. (Mid-European) | 7 a.m. | 8 p.m. (M.E.T.) | 7 p.m. |
| France ... ... ... ... ... | 7 a.m. (Paris) ... ... | 6.51 a.m. | 6 p.m. (Paris) | 5.51 p.m. |
| Spain ... ... ... ... ... | 8 a.m. (West European) | 8 a.m. | 6 p.m. (W.E.T.) | 6 p.m. |
| Portugal ... ... ... ... ... | 8 a.m. (Lisbon) ... ... | 8.36 a.m. | 3.23 p.m. (Lisbon) | 4 p.m. |
| Azores { Ponta Delgada ... ... | 6 a.m. (Local) ... ... | 7.43 a.m. | 9 p.m. (Local) | 10.43 p.m. |
| Azores { Horta ... ... ... | 6 a.m. (Local) ... ... | 7.55 a.m. | 9 p.m. (Local) | 10.55 p.m. |

### TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

| 22nd Jany, 1904. | Sunrise G.M.T. | Noon G.M.T. | Sunset G.M.T. |
|---|---|---|---|
| Yarmouth ... ... ... | 7.51 | 12.5 | 4.18 |
| Greenwich ... ... ... | 7.54 | 12.12 | 4.29 |
| Wick ... ... ... ... | 8.40 | 12.24 | 4.7 |
| Valencia ... ... ... | 8.37 | 12.53 | 5.8 |

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† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

# DAILY WEATHER REPORT

*for 8 a.m. on* Saturday, 23rd January, **1904.**

*Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London.* **W. N. SHAW,** *Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins. | Temp. Dry Bulb. ° | Wind. Direc. | Wind. Force (0 to 12.) | Weather | THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M. S. L. Ins. | Change since Yesterday. Ins. | Temperature. Dry Bulb. ° | Wet Bulb. ° | Change since Yesterday. ° | Wind. Direc. | Wind. Force (0 to 12.) | Weather. | Sea (0 to 9.) | PAST 24 HOURS. Temp. Max. ° | Temp. Min. ° | Weather | Sunshine Hours | Rainfall Ins. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SCANDINAVIA | Haparanda... ... | 29.81 | 28 | WSW | 4 | o | 29.33 | − .48 | 24 | 24 | − 2 | N | 0 | f | * | 32 | 19 | – | * | 0.04 |
| | Hernösand ... ... | 29.74 | 29 | SW | 4 | b | 29.70 | − .51 | 43 | 37 | + 17 | SSW | 4 | bc | * | 43 | 19 | – | * | – |
| | Stockholm ... ... | 30.13 | 29 | SW | 2 | c | 29.99 | − .44 | 37 | 36 | + 14 | SW | 4 | o | * | ? | 21 | – | * | – |
| | Wisby... ... ... | 30.24 | 34 | WSW | 8 | bc | 30.07 | − .34 | 37 | 35 | + 4 | W | 4 | bc | * | 37 | 30 | – | * | – |
| | Karlstad ... ... | 30.14 | 33 | SW | 2 | o | 30.05 | − .45 | 37 | 35 | + 19 | SW | 2 | bc | * | * | * | – | * | – |
| | Færder (X'tania Fjord) | 30.19 | 39 | SSW | 6 | b | 30.12 | − .36 | 41 | 39 | + 11 | WSW | 4 | c | 3 | 41 | 28 | – | * | – |
| | Bodö ... ... ... | 29.33 | 34 | N | 0 | m | 29.25 | − .40 | 39 | 38 | + 7 | SW | 7 | r | 4 | 39 | 32 | r | * | – |
| | Christiansund ... | 29.91 | 48 | WSW | 10 | o | 29.86 | − .24 | 46 | 43 | + 11 | WSW | 9 | c | 7 | 48 | 34 | – | * | 0.12 |
| | Skudesnaes ... | 30.41 | 40 | W | 2 | r | 30.36 | − .18 | 41 | 40 | + 8 | N | 0 | r | 2 | 41 | 32 | r | * | * |
| BRITISH ISLANDS | Sumburgh Head | 30.25 | 46 | W | 4 | o | 30.16 | − .06 | 45 | 45 | − 2 | W | 6 | o | 6 | 47 | 45 | r, o | * | 0.02 |
| | Stornoway ... ... | 30.45 | 49 | W | 4 | o | 30.32 | − .12 | 45 | 44 | − 3 | W | 5 | o | 5 | 49 | 38 | o | 0.5 | – |
| | Malin Head ... | 30.62 | 45 | SW | 4 | bc | 30.52 | − .11 | 43 | 42 | − 1 | SW | 3 | og | 2 | 47 | 40 | bc | * | 0.01 |
| | Blacksod Pt. ... | 30.67 | 47 | WSW | 3 | c | 30.55 | − .15 | 44 | 42 | − 2 | SSW | 3 | bc | 3 | 49 | 43 | c | * | 0.02 |
| | Valencia ... ... | 30.72 | 46 | N | 0 | om | 30.59 | − .16 | 42 | 41 | − 2 | N | 0 | o | 3 | 47 | 42 | om | 0.0 | – |
| | Roche's Point ... | 30.72 | 42 | N | 0 | m | 30.60 | − .16 | 42 | 41 | + 4 | N | 1 | o | 1 | 45 | 38 | m | * | 0.01 |
| | Parsonstown ... | 30.56 | 44 | N | 0 | o | 30.54 | − .20 | 41 | 40 | + 3 | SW | 1 | o | * | 46 | 38 | o, p | 0.0 | 0.01 |
| | Donaghadee ... | 30.66 | 45 | W | 2 | c | 30.58 | − .12 | 43 | 42 | + 3 | W | 1 | om | 2 | 48 | 38 | – | * | – |
| | Liverpool Obsy... | 30.70 | 41 | WSW | 1 | o | 30.60 | − .16 | 41 | 40 | + 8 | N | 0 | o | ? | 42 | 32 | om, f | * | 0.02 |
| | Holyhead ... ... | 30.70 | 44 | W | 1 | ogm | 30.59 | − .14 | 44 | 43 | + 5 | SW | 1 | om | 1 | 45 | 37 | ogm | * | – |
| | Pembroke (St Ann's) | 30.70 | 39 | NE | 1 | b | 30.61 | − .13 | 39 | 38 | + 2 | NE | 1 | ogm | 2 | 40 | 37 | b, gm | 6.1 | – |
| | Scilly (St. Mary's) ... | 30.66 | 44 | NE | 2 | bc | 30.58 | − .09 | 42 | 38 | − 6 | ENE | 4 | c | 4 | 48 | 38 | bc | 7.0 | – |
| | Jersey (St. Aubins) ... | 30.62 | 42 | NE | 5 | bc | 30.55 | − .08 | 35 | 33 | − 7 | ENE | 5 | cm | 4 | 44 | 34 | bcrsp | 2.3 | 0.01 |
| | Portland Bill ... | 30.68 | 37 | NE | 2 | bm | 30.59 | − .10 | 34 | 33 | − 1 | ENE | 3 | b | 1 | 42 | 32 | b, bm | * | – |
| | Dungeness ... ... | 30.66 | 40 | E | 3 | c | 30.62 | − .02 | 35 | 33 | 0 | E | 4 | c | 2 | 41 | 32 | c | 1.1 | 0.02 |
| | Wick ... ... ... | 30.39 | 42 | W | 5 | c | 30.29 | − .10 | 41 | 40 | − 1 | W | 2 | bc | 2 | 46 | 39 | – | * | – |
| | Nairn ... ... ... | 30.49 | 48 | W | 2 | bc | 30.34 | − .14 | 45 | 42 | + 2 | SW | 5 | c | 2 | 52 | 42 | – | * | – |
| | Aberdeen ... ... | 30.51 | 41 | WSW | 3 | b | 30.38 | − .15 | 37 | 36 | − 3 | SSW | 1 | cm | 2 | 48 | 32 | b | 2.9 | – |
| | Leith ... ... ... | 30.52 | 47 | WSW | 2 | o | 30.47 | − .14 | 45 | 43 | + 5 | WSW | 3 | bc | * | 47 | 39 | o | * | – |
| | North Shields ... | 30.61 | 42 | SW | 2 | cm | 30.50 | − .16 | 42 | 41 | + 8 | SW | 2 | cm | 2 | 44 | 32 | c, cm | * | – |
| | Spurn Head .. | 30.64 | 37 | WSW | 3 | bc | 30.57 | − .12 | 39 | 39 | + 3 | WSW | 3 | f | 2 | 42 | 34 | bc, f | * | – |
| | Yarmouth ... ... | 30.66 | 39 | N | 2 | bm | 30.59 | − .07 | 31 | 30 | − 3 | NW | 2 | bcf | 2 | 41 | 30 | b, bm | * | – |
| | Clacton-on-Sea ... | 30.70 | 37 | NNW | 3 | b | 30.65 | − .03 | 28 | 28 | − 6 | WNW | 1 | m | 1 | 41 | 26 | bc, bm | 6.5 | – |
| | Nottingham ... | 30.69 | 35 | W | 1 | b | 30.60 | − .13 | 35 | 34 | + 7 | WSW | 1 | f | * | 41 | 26 | b, f | 1.0 | – |
| | Bath ... ... ... | 30.69 | 30 | E | 1 | b | 30.63 | | 29 | 29 | 0 | E | 1 | o | * | 46 | 23 | – | 1.4 | – |
| | Oxford ... ... | 30.74 | 29 | N | 0 | b | 30.65 | − .11 | 27 | 27 | − 2 | SE | 1 | cf | * | 43 | 25 | – | * | – |
| | London (Brixton) ... | 30.69 | 37 | NE | 1 | b | 30.63 | − .07 | 31 | 30 | − 2 | NW | 1 | f | * | 40 | 28 | bcm, f | 0.0 | – |
| GERMANY, &c. | The Scaw (Skagen) | 30.32 | 40 | NW | 5 | o | 30.25 | − .25 | 39 | 39 | + 9 | WNW | 6 | f | 2 | 40 | 28 | – | * | – |
| | Fanö ... ... ... | 30.57 | 37 | W | 2 | o | 30.50 | − .09 | 39 | 39 | + 6 | W | 3 | o | * | 39 | 33 | – | * | – |
| | Cuxhaven ... ... | 30.66 | 34 | N | 0 | c | 30.58 | − .03 | 32 | 32 | − 1 | SW | 2 | dm | * | 34 | 30 | – | * | – |
| | The Helder ... | 30.66 | 33 | NNE | 1 | m | 30.61 | − .02 | 35 | 35 | 0 | SW | 1 | o | 5 | 35 | 27 | – | * | – |
| | Brussels ... ... | * | * | * | * | * | 30.66 | + .01 | 28 | 28 | − 4 | ENE | 1 | o | * | 34 | 28 | – | * | – |
| | Berlin ... ... ... | 30.66 | 30 | NW | 2 | o | 30.60 | + .04 | 30 | 29 | + 2 | W | 1 | c | * | 32 | 28 | – | * | – |
| | Frankfürt ... ... | 30.69 | 32 | N | 3 | o | 30.66 | + .06 | 30 | 29 | + 2 | N | 2 | o | * | 34 | 28 | – | * | – |
| | Munich ... ... | 30.54 | 27 | E | 5 | o | 30.55 | + .13 | 26 | 25 | 0 | E | 5 | o | * | 28 | 25 | – | * | – |
| FRANCE. | C. Gris Nez ... | 30.63 | 33 | NE | 3 | f | 30.57 | − .03 | 28 | 28 | − 12 | NE | 2 | o | 1 | 43 | 28 | – | * | – |
| | Brest ... ... ... | 30.60 | 41 | NE | 3 | o | 30.49 | − .13 | 34 | 34 | − 6 | NE | 2 | bc | 2 | 46 | 34 | – | * | – |
| | Lorient ... ... | 30.50 | 43 | NE | 4 | b | 30.47 | − .07 | 35 | 34 | − 8 | ENE | 5 | o | 2 | 45 | 32 | – | * | – |
| | Rochefort ... ... | 30.41 | 34 | NNE | 5 | o | 30.45 | .00 | 33 | 33 | 0 | NE | 5 | b | * | 36 | 32 | o | * | – |
| | Biarritz ... ... | 30.39 | 34 | E | 2 | m | 30.38 | − .01 | 31 | 30 | − 2 | E | 1 | b | 2 | 34 | 30 | – | * | – |
| | Paris ... ... ... | 30.60 | 35 | NE | 3 | o | 30.56 | .00 | 33 | 31 | + 1 | E | 2 | o | * | 36 | 32 | – | * | – |
| | Belfort... ... ... | 30.50 | 28 | ENE | 7 | m | 30.50 | + .10 | 27 | 27 | − 1 | ENE | 6 | m | * | 30 | 26 | – | * | – |
| | Lyons ... ... ... | 30.47 | 32 | N | 1 | o | 30.50 | + .10 | 29 | 28 | − 2 | NNW | 1 | o | * | 33 | 29 | – | * | – |
| | Nice ... ... ... | 30.19 | 50 | ENE | 4 | b | 30.30 | + .24 | 46 | 39 | + 1 | ENE | 3 | b | 5 | 54 | 41 | – | * | – |
| | Perpignan ... ... | 30.31 | 35 | NW | 2 | b | 30.34 | + .06 | 35 | 33 | + 3 | SW | 1 | o | * | 44 | 32 | – | * | – |
| SPAN. PEN. | Corunna ... ... | | | | | | | | | | | | | | | | | | * | |
| | Lisbon ... ... | 30.02 | 45 | NNE | 5 | bc | 29.96 | − .14 | 44 | 40 | + 1 | NNE | 5 | c | * | 50 | 41 | – | * | – |
| | Azores (P. Delgada)... | 30.25 | 53 | NE | 3 | r | 30.10 | − .32 | 53 | 49 | − 3 | NNE | 3 | o | 3 | 63 | 50 | – | * | – |
| | ,, (Horta) ... | 30.26 | 58 | E | 4 | c | 30.13 | − .29 | 53 | 50 | − 6 | NW | 1 | b | 2 | 63 | 52 | – | * | – |

**NOTE:** *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

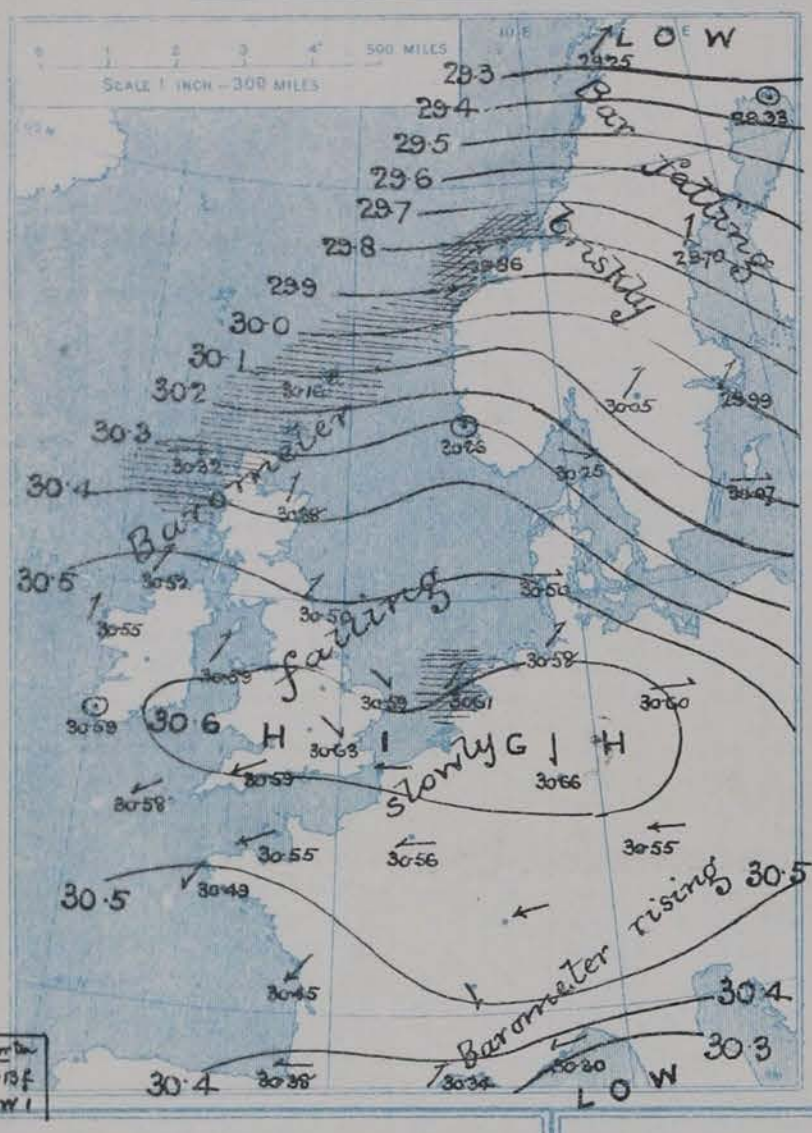
† *Observations received too late for insertion in Charts on next page.*

# WEATHER CHARTS

## FOR SATURDAY, 23RD JANY 1904.

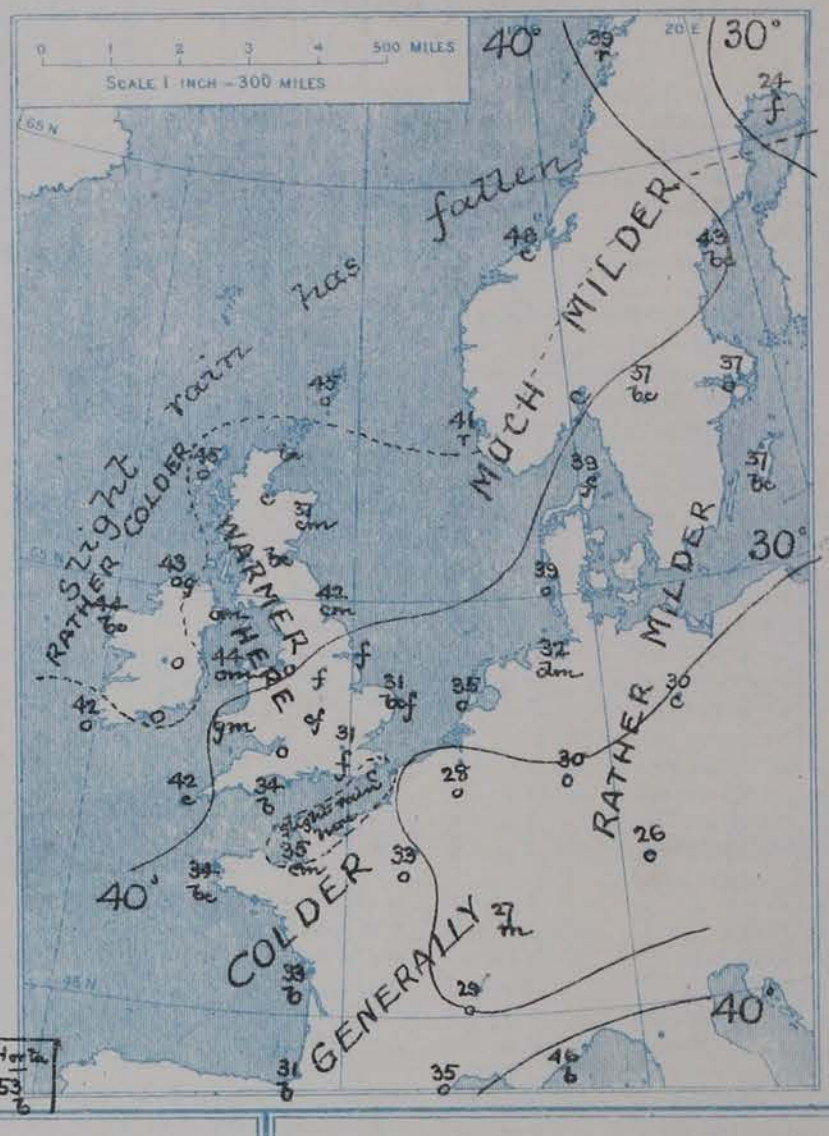
### I. BAROMETER, WIND AND SEA. *This Morning.*

*BAROMETER.—Isobars are drawn for each tenth of an inch.*
*WIND.—Arrows show Directions and Force, flying with the wind.*
*Force above 10* ——→ ; *Force 5 to 7* ——→ ; *Force 1 to 4* ——→ ; } Calm ⊙
*Force 8 to 10* ——→ ;
*SEA.—Rough* ▒ *High* ▒




### II. TEMPERATURE AND WEATHER. *This Morning.*

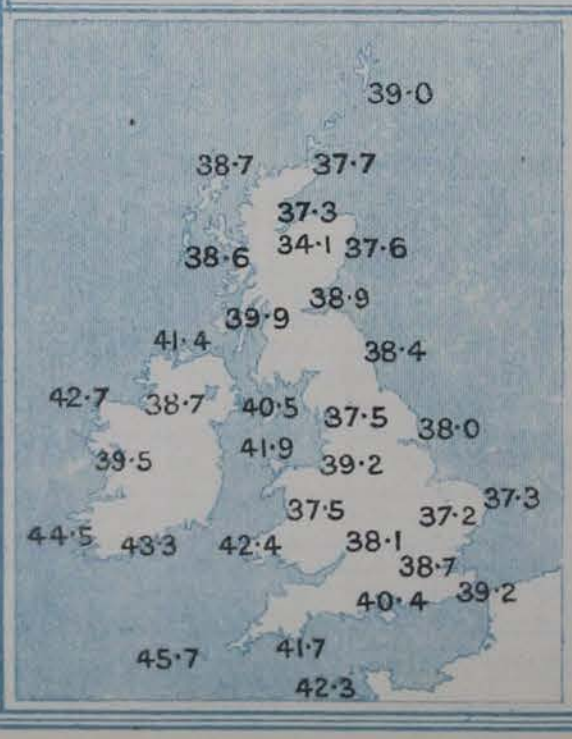
*TEMPERATURE.—Isotherms are drawn for each 10°.*
*WEATHER.—Shown by Letters of the Beaufort Scale.* *(See P. 4.)*
*RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus - 0·6*




### III. BAROMETER AND WIND

*Yesterday morning.*

### IV. *Averages of* DAILY MAXIMUM *and* MINIMUM TEMPERATURES *combined for the month of* JANUARY. *(1871–1900)*



### V. *Means of* DAILY TEMPERATURE *at 8 A.M. for the Two monthly period* JANUARY–FEBRUARY *(1871–1900)*

# GENERAL SITUATION AT 8 A.M.

**PRESSURE**

The weather in all the more southern parts of our area remains under the influence of a large anticyclone, the highest pressure, 30.6 ins. and upwards, being found in a long band extending from the St. Georges Channel across England, the Netherlands and Western and Central Germany. Cyclonic disturbances continue to move across the northern parts of Scandinavia, in which region the barometer is now below 29.3 ins., the gradients for S.Wly. and Wly. winds being steep over Northern Europe generally. The mercury is falling at all stations excepting those in the south of France, but in our Islands the change is at present gradual and fairly uniform.

**WIND**

S.Wly. or Wly. winds continue to prevail over all the more northern parts of our Islands and the Continent, and blow strongly in the Shetlands and the west of Norway, with a gale at Christiansund. In the English Channel and in France and South Germany the wind is light to fresh from the E. or N.E.

**TEMPERATURE**

Frost still prevails over a considerable portion of England and the Continent, the lowest morning temperatures reported being 26° at Munich, 27° at Oxford and Belfort, and 28° at Cape Gris Nez. In the north of England and the eastern and central parts of Ireland the thermometer has risen a few degrees, while in Scandinavia it has risen very rapidly, the readings being now above the average at all our more northern stations. In many parts of Scotland the thermometer stands at 45° and at Christiansund at 46°, the reading at the latter station being 19° higher than at Oxford.

**WEATHER AND SEA**

Cloudy weather is reported over the greater part of our area, and fog still prevails at many of the English stations; rain is falling at Bodö and Skudesnaes. In the south of France the weather is fine and bright. The sea is slight or smooth generally, but is rough off the north of Scotland and high at Christiansund.

Slight rain fell yesterday at several of our western, southern, and extreme northern stations and sleet at Jersey. On many parts of our south and east coasts between 5 and 6 hours of bright sunshine were recorded, at Clacton-on-Sea 6.5 hours, and at Scilly 7.0 hours; in the northern and central parts of the Kingdom there was little or none. Sharp frost prevailed last night in the south of England; at Oxford the thermometer on the grass fell to 15°.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

There are no signs of any material change in the weather. The anticyclone is, however, gradually breaking up, and the low pressure systems which are traversing the northern parts of the Atlantic will probably take a more southerly course, and shortly affect our own northern districts. Some extension of the Southwesterly current is therefore probable, with an increase of temperature over England.

# FORECASTS*

*For the 24 hours ending at NOON on* 24th JANUARY, 1904

| DISTRICTS. | FORECASTS. |
|---|---|
| 0 ▼ SCOTLAND NORTH | Wly. winds, strong in places; dull, unsettled, some rain. |
| 1 ▼ SCOTLAND EAST | S.Wly. and Wly. winds, moderate; fair at first, some rain later. |
| 2 ENGLAND N.E. | |
| 3 ENGLAND EAST | Light breezes, chiefly Wly.; weather remaining foggy or misty, but temperature rising somewhat. |
| 4 MIDLAND COUNTIES | |
| 5 ENGLAND SOUTH | Light variable airs; weather remaining foggy or misty, but temperature rising somewhat. |
| 6 SCOTLAND WEST | S.Wly. and Wly. winds, freshening; cloudy, some showers. |
| 7 ENGLAND N.W. | S.Wly. and Wly. winds, light or moderate; cloudy, misty. |
| 8 ENGLAND S.W | Ely. and N.Ely. winds, light; cloudy, misty. |
| 9 IRELAND NORTH | Same as No. 6. |
| 10 IRELAND SOUTH | Variable breezes, finally Sly.; dull, slight rain locally. |
| WARNINGS | The South Cone is still flying in District 0 and part of 1. |

*Note.*—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

# REPORTS FOR YESTERDAY.

| STATIONS. | Temperature F. Max. | Temperature F. Min. | Weather. | Sunshine. Hrs. | Rainfall. Ins. |
|---|---|---|---|---|---|
| Blackpool, to 9 p.m. ... ... | 42 | 26 | o m, c | 0·0 | – |
| Southport, to 9 p.m. ... ... | 41 | 26 | b, o f, o | 0·0 | – |
| Rhyl, ... ... ... ... ... | * | * | * | 1·7 | * |
| Llandudno ... ... ... ... | * | * | * | 1·2 | * |
| Bettws-y-Coed, to 6 p.m. ... | 42 | 28 | b c, o | 2·2 | * |
| Aberystwyth, to 6 p.m. ... | 41 | 30 | c | 5·0 | – |
| Plymouth, to 9 p.m. ... ... | 48 | 35 | b, b c, b | 6·4 | – |
| Bournemouth to 6 p.m. ... | * | * | * | 6·0 | – |
| Worthing ... ... ... ... | * | * | * | 6·0 | * |
| Brighton ... ... ... ... | 40 | * | * | 5·3 | * |
| Eastbourne, to 6 p.m. ... | 42 | * | * | 2·2 | * |

| STATIONS. | Temperature F. Max. | Temperature F. Min. | Weather. | Sunshine. Hrs. | Rainfall. Ins. |
|---|---|---|---|---|---|
| Hastings ... ... ... ... | * | * | * | 1·4 | * |
| Broadstairs... ... ... ... | * | * | * | | * |
| Margate ... ... ... ... | 42 | 31 | b, c | 0·5 | 0·02 |
| Lowestoft, to 6 p.m. ... ... | | | | | |
| Skegness ... ... ... ... | * | * | * | 5·0 | * |
| Scarborough, to 6 p.m. ... | 42 | * | * | 4·0 | * |
| Harrogate, to 6 p.m. ... | 41 | 30 | b c | 4·1 | – |
| Manchester, to 9 p.m. ... | 40 | 24 | o m g, o | 0·0 | – |
| Darwen, to 9 p.m. ... .. | 40 | 29 | b c, m, o | 1·2 | – |
| Birmingham, to 9 p.m. ... | 39 | 28 | f, o, c | 0·2 | – |

## TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

| STATIONS. 22nd Jany, 1904 | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|
| Copenhagen ... ... ... | 34 | 27 | f, f | – |
| Utrecht... ... ... ... ... | 34 | 27 | o, f | 0·04 |
| Groningen ... ... ... ... | 34 | 27 | m, f | – |
| Vienna ... ... ... ... ... | 32 | 28 | o, o | – |
| Marseilles ... ... ... ... | 45 | 27 | b c, c | – |
| Florence ... ... ... ... | 49 | 44 | c, o | – |
| Rome ... ... ... ... ... | 53 | 42 | c, o | – |
| Naples ... ... ... ... ... | 49 | 45 | o, o | – |
| Palermo ... ... ... ... | 56 | 41 | o, o | – |
| Malta ... ... ... ... ... | 55 | 45 | ?, o | |

| STATIONS. | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|
| 22nd January. | | | | |
| Algiers ... ... ... ... | 57 | 43 | c, c | – |
| Tunis ... ... ... ... | 54 | 39 | o, o | 0·12 |
| Madeira (Funchal) Not recd. | | | | |
| 21st January. | 1 p.m. | | 1 p.m. | Measured 7 a.m. |
| Geneva ... ... ... ... | 30 | * | m | – |
| Berne ... ... ... ... | 28 | * | o | – |
| Coire ... ... ... ... | 25 | * | o | – |
| Castasegna ... ... ... | 43 | * | o | – |
| Lugano ... ... ... ... | 45 | * | c | – |
| Davos ... ... .. ... | 30 | * | o | – |

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

| COUNTRIES, &c. | Hours of Morning Observations by Local Standard Time. | Corresponding Greenwich Times. | Hours of Evening Observations by Local Standard. | Corresponding Greenwich Times. |
|---|---|---|---|---|
| British Isles, Belgium† ... | 8 a.m. (West European) | 8 a.m. | 6 p.m.‡ (W.E.T.) | 6 p.m.‡ |
| Holland ... ... ... ... ... | 8 a.m. ( " " ) | 8 a.m. | 7 p.m. (W.E.T.) | 7 p.m. |
| Germany, Denmark, Norway, Sweden | 8 a.m. (Mid-European) | 7 a.m. | 8 p.m. (M.E.T.) | 7 p.m. |
| France ... ... ... ... ... | 7 a.m. (Paris) ... ... | 6.51 a.m. | 6 p.m. (Paris) | 5.51 p.m. |
| Spain ... ... ... ... ... | 8 a.m. (West European) | 8 a.m. | 6 p.m. (W.E.T.) | 6 p.m. |
| Portugal ... ... ... ... ... | 8 a.m. (Lisbon) ... ... | 8.36 a.m. | 3.23 p.m. (Lisbon) | 4 p.m. |
| Azores { Ponta Delgada ... ... | 6 a.m. (Local) ... ... | 7.43 a.m. | 9 p.m. (Local) | 10.43 p.m. |
| Azores { Horta ... ... ... | 6 a.m. (Local) ... ... | 7.55 a.m. | 9 p.m. (Local) | 10.55 p.m. |

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

| 23rd Jany, 1904 | Sunrise G.M.T. | Noon G.M.T. | Sunset G.M.T. |
|---|---|---|---|
| Yarmouth ... ... ... | 7.50 | 12.5 | 4.20 |
| Greenwich ... ... ... | 7.53 | 12.12 | 4.31 |
| Wick ... ... ... ... | 8.39 | 12.24 | 4.9 |
| Valencia ... ... ... | 8.36 | 12.53 | 5.10 |

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† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

# DAILY WEATHER REPORT

*for 8 a.m. on* Sunday 24th January, **1904.**

*Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London.* **W. N. SHAW,** *Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins. | Temp. Dry Bulb. ° | Wind. Direc. | Wind. Force (0 to 12.) | Weather | THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M. S. L. Ins. | Barometer. Change since Yesterday. Ins. | Temperature. Dry Bulb. ° | Temperature. Wet Bulb. ° | Temperature. Change since Yesterday. ° | Wind. Direc. | Wind. Force (0 to 12.) | Weather. | Sea (0 to 9.) | PAST 24 HOURS. Temp. Max. ° | Temp. Min. ° | Weather | Sunshine Hours | Rainfall Ins. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SCANDINAVIA | Haparanda... ... | 29.06 | 43 | NW | 6 | b | 29.65 | +.32 | 26 | 25 | +2 | W | 2 | b | * | 43 | 23 | – | * | – |
| | Hernösand ... ... | 29.66 | 46 | W | 4 | o | 29.95 | +.25 | 40 | 36 | –3 | SW | 4 | o | * | 50 | 23 | – | * | – |
| | Stockholm ... ... | 30.00 | 37 | W | 4 | b | 30.15 | +.16 | 35 | 33 | –2 | W | 2 | b | * | 43 | 28 | – | * | – |
| | Wisby... ... ... | 30.04 | 39 | WSW | 6 | b | 30.18 | +.11 | 37 | 34 | 0 | W | 4 | b | * | 39 | 32 | – | * | – |
| | Karlstad ... ... | 30.08 | 38 | SSW | 2 | c | 30.19 | +.14 | 34 | 33 | –3 | Z | 0 | bc | * | * | * | – | * | – |
| | Færder (X'iania Fjord) | 30.12 | 41 | WSW | 4 | b | 30.18 | +.06 | 39 | 38 | –2 | W | 2 | b | 2 | 43 | 37 | – | * | 0.04 |
| | Bodö ... ... ... | 29.27 | 40 | W | 9 | bc | 29.51 | +.26 | 36 | 35 | –3 | S | 4 | r | 3 | 43 | 32 | – | * | 1.30 |
| | Christiansund ... | 29.92 | 46 | WSW | 9 | r | 29.92 | +.06 | 44 | 41 | –2 | WSW | 8 | bc | 7 | 46 | 43 | – | * | 0.08 |
| | Skudesnaes ... | 30.35 | 41 | SW | 2 | o | 30.27 | –.09 | 38 | 38 | –3 | SSE | 4 | c | 3 | 41 | 37 | o | * | * |
| BRITISH ISLANDS. | Sumburgh Head | 30.20 | 45 | W | 4 | o | 30.00 | –.16 | 44 | 41 | –1 | W | 4 | c | 6 | 47 | 43 | o | * | 0.03 |
| | Stornoway ... ... | 30.29 | 46 | W | 4 | o | 30.02 | –.30 | 45 | 43 | 0 | W | 5 | c | 5 | 47 | 42 | o | 0.0 | – |
| | Malin Head ... | 30.42 | 43 | SW | 2 | om | 30.18 | –.34 | 40 | 39 | –3 | SW | 4 | o | 2 | 45 | 39 | o,om | * | – |
| | Blacksod Pt. ... | 30.42 | 45 | SSW | 3 | o | 30.16 | –.39 | 44 | 40 | 0 | S | 4 | c | 3 | ?48 | 43 | c,o | * | 0.01 |
| | Valencia ... ... | 30.43 | 44 | ESE | 2 | o | 30.19 | –.40 | 41 | 37 | –1 | E | 2 | o | 3 | 46 | 40 | o | 0.0 | – |
| | Roche's Point ... | 30.46 | 42 | SE | 1 | c | 30.23 | –.37 | 41 | 39 | –1 | ESE | 3 | o | 2 | 46 | 38 | o,c | * | – |
| | Parsonstown ... | 30.48 | 43 | E | 2 | o | 30.23 | –.31 | 40 | 37 | –1 | E | 1 | og | * | 45 | 36 | o | 0.0 | – |
| | Donaghadee ... | 30.49 | 44 | Z | 0 | o | 30.27 | –.31 | 41 | 39 | –2 | Z | 0 | o | 0 | 45 | 40 | – | * | – |
| | Liverpool Obsy... | 30.50 | 42 | WSW | 1 | o | 30.30 | –.30 | 34 | 33 | –7 | S | 1 | o | ? | 44 | 34 | om,o | * | – |
| | Holyhead ... ... | 30.49 | 44 | W | 1 | o | 30.27 | –.32 | 38 | 36 | –6 | S | 1 | bc | 0 | 46 | 35 | o | * | – |
| | Pembroke (St Ann's) | 30.47 | 41 | E | 2 | b | 30.26 | –.35 | 35 | 33 | –4 | ESE | 4 | ogm | 3 | 44 | 33 | – | 4.5 | – |
| | Scilly (St. Mary's) ... | 30.40 | 42 | ENE | 4 | o | 30.20 | –.38 | 43 | 41 | +1 | ESE | 3 | o | 3 | 44 | 38 | c,o | 0.0 | – |
| | Jersey (St. Aubins) ... | 30.43 | 34 | ESE | 4 | om | 30.26 | –.29 | 33 | 32 | –2 | ESE | 3 | om | 3 | 36 | 33 | o,om | 0.0 | – |
| | Portland Bill ... | 30.47 | 36 | E | 4 | c | 30.28 | –.31 | 36 | 34 | +2 | ESE | 4 | o | 3 | 39 | 33 | c | * | – |
| | Dungeness ... ... | 30.49 | 35 | ENE | 4 | c | 30.31 | –.31 | 32 | 31 | –3 | ESE | 1 | m | 2 | 37 | 31 | c | 2.3 | – |
| | Wick ... ... ... | 30.25 | 43 | W | 2 | bc | 30.05 | –.24 | 38 | 36 | –3 | SW | 2 | bc | 1 | 48 | 34 | – | * | – |
| | Nairn ... ... ... | 30.33 | 43 | WSW | 3 | c | 30.11 | –.23 | 42 | 39 | –3 | W | 3 | bc | 2 | 49 | 39 | – | * | – |
| | Aberdeen ... ... | 30.36 | 35 | W | 1 | b | 30.15 | –.23 | 29 | 28 | –8 | WNW | 2 | b | 1 | 45 | 27 | bc,b,f | 1.3 | – |
| | Leith ... ... ... | 30.40 | 43 | WNW | 3 | c | 30.20 | –.27 | 42 | 39 | –3 | WNW | 2 | c | * | 46 | 35 | – | * | – |
| | North Shields ... | 30.43 | 42 | SW | 2 | bm | 30.24 | –.26 | 35 | 34 | –7 | SW | 2 | om | 2 | 47 | 30 | c,bm | * | – |
| | Spurn Head .. | 30.47 | 40 | WSW | 3 | m | 30.35 | –.22 | 30 | 30 | –9 | S | 3 | f | 2 | 43 | 27 | m.f | * | – |
| | Yarmouth ... ... | 30.51 | 36 | SW | 2 | b | 30.33 | –.26 | 34 | 33 | +3 | SE | 4 | c | 4 | 37 | ?31 | bc,bf | * | 0.01 |
| | Clacton-on-Sea ... | 30.53 | 35 | ENE | 3 | bc | 30.33 | –.32 | 33 | 32 | +5 | ESE | 3 | o | 2 | 41 | 27 | f,bc,om | 3.4 | – |
| | Nottingham ... | 30.49 | 37 | SSW | 1 | bm | 30.34 | –.26 | 29 | 28 | –6 | Z | 0 | o | * | 40 | 25 | – | 0.0 | – |
| | Bath ... ... ... | 30.47 | 30 | E | 1 | c | 30.30 | –.33 | 31 | 30 | +2 | E | 1 | o | * | 40 | 29 | – | | – |
| | Oxford ... ... | 30.52 | 28 | ENE | 1 | f | 30.34 | –.31 | 30 | 30 | +3 | SE | 1 | o | * | 38 | 27 | f,of | * | – |
| | London (Brixton) ... | 30.51 | 32 | Z | 0 | of | 30.31 | –.32 | 31 | 30 | 0 | Z | 0 | o | * | 33 | 28 | gf,o | 0.0 | – |
| GERMANY, &c. | The Scaw (Skagen) | 30.23 | 38 | NW | 5 | b | 30.25 | .00 | 37 | 37 | –2 | NW | 2 | m | 1 | 43 | 36 | – | * | – |
| | Fanö ... ... ... | 30.44 | 38 | W | 2 | bc | 30.41 | –.09 | 39 | 38 | 0 | W | 2 | o | * | 39 | 36 | – | * | – |
| | Cuxhaven ... ... | 30.54 | 33 | WSW | 3 | o | 30.44 | –.14 | 33 | 32 | +1 | SW | 2 | o | * | 34 | 30 | o,f | * | – |
| | The Helder ... | | | | | | | | | | | | | | | | | | * | |
| | Brussels ... ... | * | * | * | * | * | 30.35 | –.31 | 24 | 23 | –4 | SE | 1 | f | * | 30 | 20 | – | * | – |
| | Berlin ... ... ... | 30.54 | 34 | W | 2 | o | 30.48 | –.12 | 34 | 33 | +4 | W | 2 | o | * | 36 | 32 | – | * | – |
| | Frankfürt ... ... | 30.59 | 29 | E | 3 | o | 30.47 | –.19 | 26 | 25 | –4 | NE | 2 | b | * | 30 | 25 | – | * | – |
| | Munich ... ... | 30.49 | 25 | E | 6 | o | 30.38 | –.17 | 23 | 23 | –3 | E | 5 | o | * | 28 | 20 | – | * | – |
| FRANCE. | C. Gris Nez ... | 30.48 | 29 | NE | 3 | o | 30.30 | –.27 | 28 | 28 | 0 | ESE | 2 | m | 2 | 32 | 28 | – | * | – |
| | Brest ... ... ... | 30.38 | 35 | E | 3 | o | 30.23 | –.26 | 32 | 31 | –2 | ENE | 1 | o | 3 | 41 | 32 | – | * | – |
| | Lorient ... ... | 30.37 | 35 | E | 4 | o | 30.20 | –.27 | 32 | 32 | –3 | ENE | 4 | o | 2 | 39 | 30 | – | * | – |
| | Rochefort ... ... | 30.29 | 35 | ENE | 4 | b | 30.17 | –.28 | 31 | 30 | –2 | ENE | 4 | b | * | 41 | 30 | – | * | – |
| | Biarritz ... ... | 30.23 | 39 | E | 1 | o | 30.08 | –.30 | 30 | 30 | –1 | SSE | 3 | f | 1 | 41 | 28 | – | * | – |
| | Paris ... ... ... | 30.47 | 32 | E | 2 | o | 30.34 | –.22 | 29 | 28 | –4 | ESE | 3 | o | * | 34 | 29 | – | * | – |
| | Belfort... ... ... | 30.44 | 27 | ENE | 6 | m | 30.33 | –.17 | 26 | 24 | –1 | ENE | 6 | o | * | 29 | 26 | – | * | – |
| | Lyons ... ... ... | 30.43 | 31 | NW | 1 | b | 30.38 | –.12 | 24 | 24 | –5 | WNW | 1 | f | * | 35 | 23 | – | * | – |
| | Nice ... ... ... | 30.28 | 48 | E | 4 | b | 30.26 | –.04 | 36 | 32 | –10 | E | 1 | c | 5 | 52 | 34 | – | * | – |
| | Perpignan ... ... | 30.26 | 40 | W | 3 | o | 30.11 | –.23 | 49 | 46 | +14 | NE | 2 | o | * | 49 | 39 | – | * | 0.43 |
| SPAN. PEN. | Corunna ... ... | 30.15 | 49 | SSE | 3 | b | 30.03 | | 39 | ? | | NE | 2 | b | ? | ? | ? | ? | * | ? |
| | Lisbon ... ... | 29.91 | 48 | NNE | 4 | b | 29.93 | –.03 | 43 | 42 | –1 | N | 4 | b | * | 50 | 34 | – | * | – |
| | Azores (P. Delgada)... | 30.00 | 53 | NNE | 2 | c | 29.97 | –.13 | 52 | 48 | –1 | NNE | 3 | o | 2 | 61 | 50 | – | * | – |
| | ,, (Horta) ... | 30.02 | 54 | Z | 0 | o | 29.97 | –.16 | 53 | 49 | 0 | WNW | 1 | b | 2 | 63 | 50 | – | * | – |

**NOTE:** *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

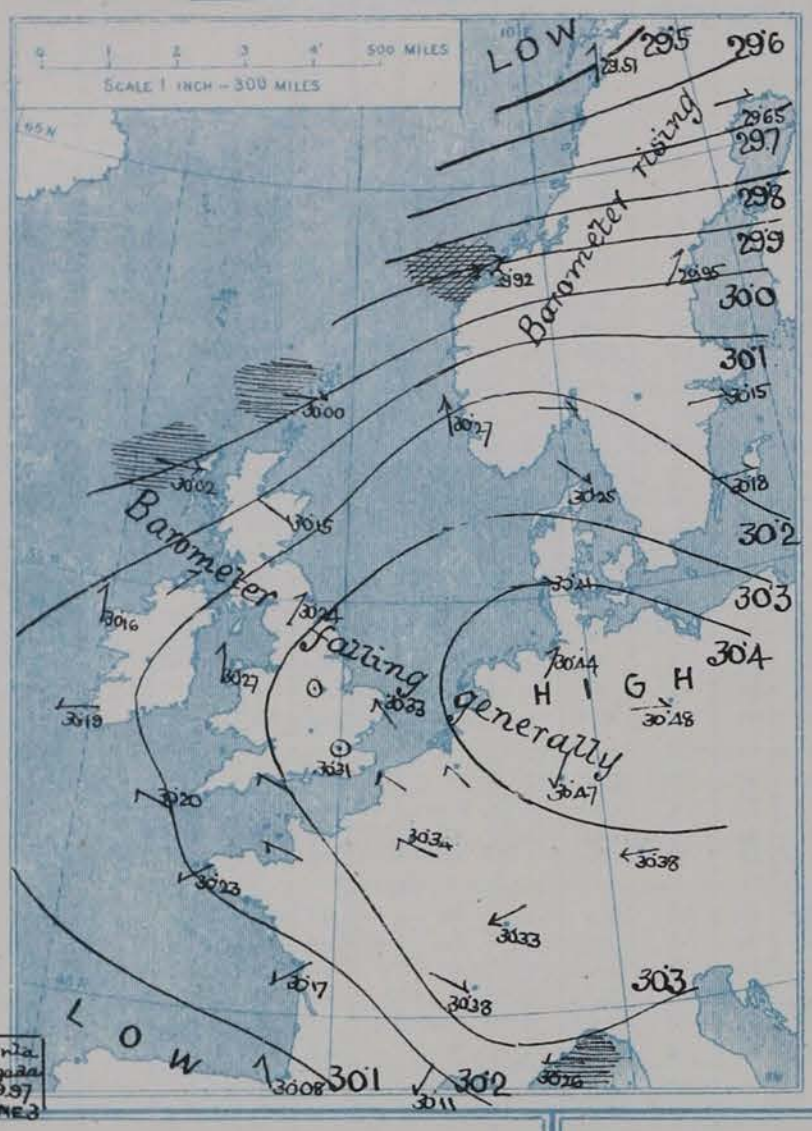
† *Observations received too late for insertion in Charts on next page.*

# WEATHER CHARTS

FOR SUNDAY, 24TH JANUARY, 1904.

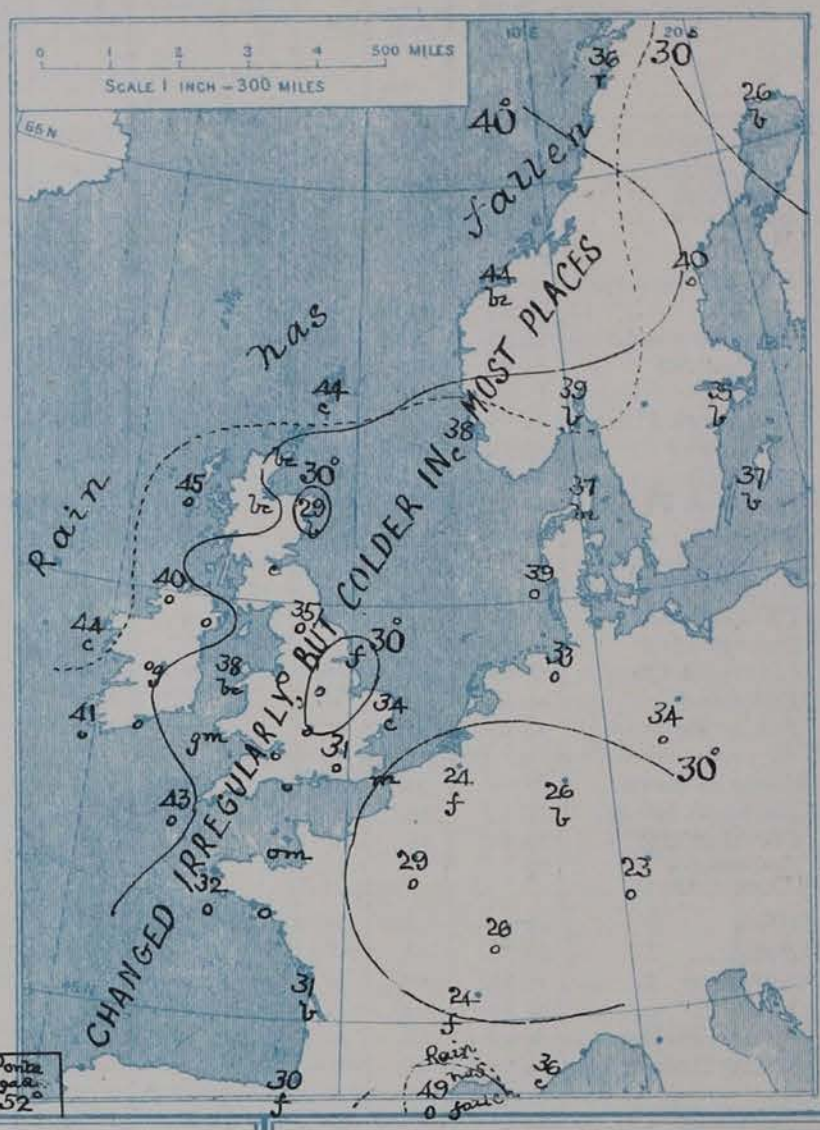
## I. BAROMETER, WIND AND SEA. *This Morning.*

*BAROMETER.—Isobars are drawn for each tenth of an inch.*
*WIND.—Arrows show Directions and Force, flying with the wind.*
*Force above 10* ; *Force 8 to 10* ; *Force 5 to 7* ; *Force 1 to 4* ; Calm
*SEA.—Rough* ; *High*




## II. TEMPERATURE AND WEATHER. *This Morning.*

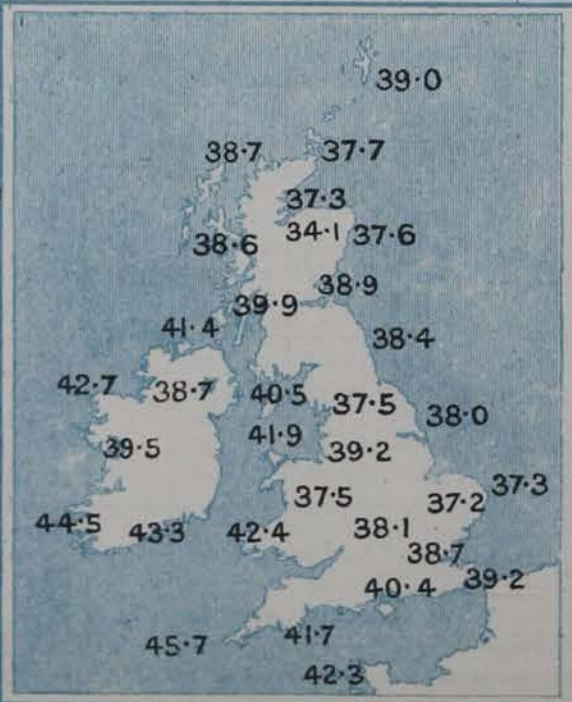
*TEMPERATURE.—Isotherms are drawn for each 10°.*
*WEATHER.—Shown by Letters of the Beaufort Scale.* *(See P. 4.)*
*RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus - 0·6*




## III. BAROMETER AND WIND

*Yesterday morning.*

## IV *Averages of* DAILY MAXIMUM *and* MINIMUM TEMPERATURES *combined for the month of* JANUARY. *(1871-1900.)*



## V. *Means of* DAILY TEMPERATURE *at 8 A.M. for the Two monthly period* JANUARY-FEBRUARY *(1871-1900)*

# GENERAL SITUATION AT 8 A.M.

**PRESSURE**

The highest pressure (over 30·4 ins.) is now to be found over Central Europe, where an anticyclone extends westward over our Islands. A cyclonic system, whose minimum pressure lies in the extreme north of the Atlantic, extends its influence over Scandinavia and is causing a steep gradient in the northern part of that country; there is a difference of pressure of 0·4 ins. between Bodö and Christiansund. Over the southern part of our area the gradient is small; the readings in the extreme west are 30·19 ins. at Valencia and 29·93 ins. at Lisbon.

**WIND**

A Westerly wind prevails over Scotland and the greater part of Scandinavia, it is blowing a gale in the neighbourhood of Christiansund on the west coast of Norway; in the extreme northwest of Scotland it is fresh. In the more southern part of our islands the wind is much lighter and from between South and East; over France and South Germany a fresh Easterly wind is blowing.

**TEMPERATURE**

The weather is dull at the majority of stations in our area outside Scandinavia. Much mist prevails and fog is reported from Spurn Head, Brussels, Lyons and Biarritz. In Scandinavia the sky is clear generally; rain is falling at Bodö in the extreme north. The Westerly wind causes a mild temperature in Scotland and central Scandinavia; readings are generally over 40°, but in places which are sheltered from the Westerly wind, and where the sky cleared overnight the thermometer has fallen below the freezing point (Aberdeen 29°). In Ireland readings differs little from 40°. In England and the southern part of the Continent, where the wind is more Easterly, it is much colder. Readings are well below 30° at the Continental stations, and frost also prevails at most inland stations in England.

**WEATHER AND SEA**

The sea is high at Christiansund, and rough in the north of Scotland, elsewhere it is slight or smooth.

Very slight amounts of precipitation have been measured at Lumbergh Head, Blackwood Point and Yarmouth. On the Continent rainfall was confined to the shores of the Mediterranean, (Perpignan 0·43 ins.) and to Norway. At Bodö 1·30 ins. was measured. In our Islands the amounts of sunshine experienced vary between 0 and 4·5 hrs. Fog prevailed in many places. Temperature remained low in England especially in the southeast; the thermometer did not rise above 33° in London. The lowest reading reported is 25° from Nottingham. In the north and west it was mild, 47° being reached at Stornoway and Lumbergh Head.

**PROBABLE CHANGES IN SYSTEM NOW PREVALENT**

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# FORECASTS*

*For the 24 hours ending at NOON on* 25TH JANUARY, 1904

| DISTRICTS. | FORECASTS. | DISTRICTS. | FORECASTS. |
|---|---|---|---|
| 0 SCOTLAND NORTH | None issued | 6 SCOTLAND WEST | None issued. |
| 1 SCOTLAND EAST | | 7 ENGLAND N.W. | |
| 2 ENGLAND N.E. | | 8 ENGLAND S.W | |
| 3 ENGLAND EAST | | 9 IRELAND NORTH | |
| 4 MIDLAND COUNTIES | | 10 IRELAND SOUTH | |
| 5 ENGLAND SOUTH | | WARNINGS | None issued. |

*Note.*—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

# REPORTS FOR YESTERDAY.

| STATIONS. | Temperature F. Max. | Temperature F. Min. | Weather. | Sunshine. Hrs. | Rainfall. Ins. |
|---|---|---|---|---|---|
| Blackpool, to 9 p.m. ... ... | 45 | 40 | om, c, o | 0·0 | 0·01 |
| Southport, to 9 p.m. ... ... | 44 | 40 | o, om | 0·0 | – |
| Rhyl, ... ... ... ... ... | * | * | * | | * |
| Llandudno ... ... ... ... | * | * | * | | * |
| Bettws-y-Coed, to 6 p.m. ... | 43 | 38 | o | 0·0 | * |
| Aberystwyth, to 6 p.m. ... | 45 | 35 | o | 0·0 | – |
| Plymouth, to 9 p.m. ... ... | 40 | 32 | bc, o | 3·5 | – |
| Bournemouth to 6 p.m. ... | * | * | * | 3·9 | * |
| Worthing ... ... ... ... | * | * | * | 2·6 | * |
| Brighton ... ... ... ... | | * | * | | * |
| Eastbourne, to 6 p.m. ... | | * | * | | * |
| Hastings ... ... ... ... | * | * | * | 2·8 | * |
| Broadstairs ... ... ... ... | * | * | * | | * |
| Margate ... ... ... ... | 37 | 31 | c | 2·1 | 0·04 |
| Lowestoft, to 6 p.m. ... ... | | | | | |
| Skegness ... ... ... ... | * | * | * | 3·1 | * |
| Scarborough, to 6 p.m. ... | | * | * | | * |
| Harrogate, to 6 p.m. ... | 45 | 38 | c, b | 3·0 | – |
| Manchester, to 9 p.m. ... | 43 | 33 | o, m, o | 0·0 | 0·01 |
| Darwen, to 9 p.m. ... .. | 42 | 35 | b, o, m | 0·0 | 0·01 |
| Birmingham, to 9 p.m. ... | 42 | 33 | o, f | 0·0 | – |

## TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

| STATIONS. 23rd Jan. 1904 | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|
| Copenhagen ... ... ... | 37 | 28 | b, m | – |
| Utrecht ... ... ... ... | 36 | 25 | m, f | – |
| Groningen ... ... ... ... | 37 | 23 | o, m | – |
| Vienna ... ... ... ... ... | 32 | 28 | o, o | – |
| Marseilles ... ... ... ... | 52 | 34 | b, b | – |
| Florence ... ... ... ... | 49 | 42 | b, b | – |
| Rome ... ... ... ... ... | 54 | 41 | b, o | – |
| Naples ... ... ... ... ... | 50 | 43 | b, b | – |
| Palermo ... .. ... ... | 55 | 40 | c, b | – |
| Malta ... ... ... ... ... | 56 | 49 | c | 0·12 |
| Algiers ... ... ... ... | 55 | 48 | c, o | – |
| Tunis ... ... ... ... | 54 | 39 | c, o | – |
| Madeira (Funchal) ... ... | Not | rec^d | | |
| 22nd Jan. 1904. | 1 p.m. | | 1 p.m. | Measured 7 a.m. |
| Geneva ... ... ... ... | 34 | * | o | |
| Berne ... ... ... ... | 28 | * | o | – |
| Coire ... ... ... ... | 27 | * | b | – |
| Castasegna ... ... ... | 39 | * | b | – |
| Lugano ... ... ... ... | 41 | * | b | – |
| Davos ... ... .. ... | 23 | * | b | – |

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

### TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

| COUNTRIES, &c. | Hours of Morning Observations by Local Standard Time. | Corresponding Greenwich Times. | Hours of Evening Observations by Local Standard. | Corresponding Greenwich Times. |
|---|---|---|---|---|
| British Isles, Belgium† ... | 8 a.m. (West European) | 8 a.m. | 6 p.m.‡ (W.E.T.) | 6 p.m.‡ |
| Holland ... ... ... ... ... | 8 a.m. ( „ „ ) | 8 a.m. | 7 p.m. (W.E.T.) | 7 p.m. |
| Germany, Denmark, Norway, Sweden | 8 a.m. (Mid-European) | 7 a.m. | 8 p.m. (M.E.T.) | 7 p.m. |
| France ... ... ... ... ... | 7 a.m. (Paris) ... ... | 6.51 a.m. | 6 p.m. (Paris) | 5.51 p.m. |
| Spain ... ... ... ... ... | 8 a.m. (West European) | 8 a.m. | 6 p.m. (W.E.T.) | 6 p.m. |
| Portugal ... ... ... ... ... | 8 a.m. (Lisbon) ... ... | 8.36 a.m. | 3.23 p.m. (Lisbon) | 4 p.m. |
| Azores: Ponta Delgada ... ... | 6 a.m. (Local) ... ... | 7.43 a.m. | 9 p.m. (Local) | 10.43 p.m. |
| Azores: Horta ... ... ... | 6 a.m. (Local) ... ... | 7.55 a.m. | 9 p.m. (Local) | 10.55 p.m. |

### TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

| 24th Jan. 1904 | Sunrise G.M.T. | Noon G.M.T. | Sunset G.M.T. |
|---|---|---|---|
| Yarmouth ... ... ... | 7.49 | 12.5 | 4.21 |
| Greenwich ... ... ... | 7.52 | 12.12 | 4.32 |
| Wick ... ... ... ... | 8.38 | 12.24 | 4.11 |
| Valencia ... ... ... | 8.35 | 12.53 | 5.11 |

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FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

# DAILY WEATHER REPORT

*for 8 a.m. on Monday, 25th January,* **1904.**

*Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London.* **W. N. SHAW,** *Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins. | Temp. Dry Bulb. ° | Wind. Direc. | Wind. Force (0 to 12.) | Weather | THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins. | Change since Yesterday. Ins. | Temperature. Dry Bulb. ° | Wet Bulb. ° | Change since Yesterday. ° | Wind. Direc. | Wind. Force (0 to 12.) | Weather. | Sea (0 to 9.) | PAST 24 HOURS. Temp. Max. ° | Temp. Min. ° | Weather | Sunshine Hours | Rainfall Ins |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SCANDINAVIA | Haparanda... ... | 29.38 | 40 | SW | 2 | 8 | 29.43 | -.22 | 35 | 32 | + 9 | SW | 2 | o | * | 43 | 23 | – | * | – |
| | Hernösand ... ... | 29.82 | 40 | Z | 0 | o | 29.87 | -.08 | 37 | 34 | - 3 | SW | 4 | 8 | * | 46 | 32 | – | * | – |
| | Stockholm ... ... | 30.11 | 34 | W | 4 | 8 | 30.08 | -.07 | 35 | 33 | 0 | W | 6 | o | * | 43 | 34 | – | * | – |
| | Wisby... ... ... | 30.20 | 35 | WSW | 2 | 8 | 30.19 | +.01 | 33 | 32 | - 4 | W | 2 | o | * | 39 | 33 | – | * | – |
| | Karlstad ... ... | 30.15 | 34 | SW | 4 | o | 30.11 | -.08 | 36 | 34 | + 2 | SW | 2 | c | * | * | * | o,f | * | – |
| | Færder (X'iania Fjord) | 30.13 | 37 | SW | 4 | 8 | 30.08 | .10 | 38 | 37 | - 1 | WSW | 5 | 8c | 3 | 39 | 37 | – | * | – |
| | Bodö ... ... ... | 29.26 | 43 | SW | 8 | r | 29.47 | -.04 | 38 | 33 | + 2 | SW | 6 | c | 4 | 43 | 34 | – | * | – |
| | Christiansund ... | 29.84 | 46 | W | 9 | c | 29.90 | -.02 | 44 | 40 | 0 | W | 8 | r | 6 | 46 | 43 | – | * | 0.04 |
| | Skudesnaes ... | 30.20 | 39 | S | 4 | f | 30.13 | -.14 | 38 | 37 | 0 | S | 4 | o | 3 | 39 | 37 | f.r | * | |
| BRITISH ISLANDS | Sumburgh Head | 29.92 | 44 | WSW | 4 | c | 29.89 | -.11 | 41 | 39 | - 3 | S | 2 | o | 4 | 45 | 40 | o,c | * | 0.01 |
| | Stornoway ... ... | 29.97 | 44 | WSW | 5 | r | 29.81 | -.21 | 40 | 38 | - 5 | WSW | 2 | o | 2 | 48 | 37 | o,r | 0.0 | 0.02 |
| | Malin Head ... | 30.07 | 39 | S | 4 | ogm | 29.83 | -.35 | 37 | 36 | - 3 | SSW | 6 | ogm | 4 | 41 | 32 | o,ogm | * | – |
| | Blacksod Pt. ... | 30.04 | 41 | SSE | 4 | c | 29.83 | -.33 | 41 | 39 | - 3 | SSE | 4 | 8 | 3 | 44 | 39 | c | * | – |
| | Valencia ... ... | 30.03 | 41 | E | 3 | om | 29.85 | -.34 | 44 | 43 | + 3 | SE | 3 | r | 3 | 45 | 40 | om | 0.0 | 0.07 |
| | Roche's Point ... | 30.08 | 44 | SE | 3 | o | 29.90 | -.33 | 47 | 46 | + 6 | S | 5 | ou | 4 | 47 | 40 | og,o | * | 0.02 |
| | Parsonstown ... | 30.11 | 38 | E | 2 | o | 29.91 | -.32 | 40 | 37 | 0 | E | 1 | c | * | 44 | 35 | o,p | 0.0 | 0.02 |
| | Donaghadee ... | 30.12 | 43 | SSE | 3 | o | 29.96 | -.31 | 40 | 39 | - 1 | SW | 2 | o | 2 | 43 | 36 | – | * | – |
| | Liverpool Obsy... | 30.18 | 30 | SE | 3 | o | 30.08 | -.22 | 32 | 31 | - 2 | S | 2 | o | ? | 34 | 28 | m,o | * | – |
| | Holyhead ... ... | 30.16 | 37 | SSW | 2 | om | 30.00 | -.27 | 39 | 39 | + 1 | S | 3 | odp | 2 | 41 | 37 | o,om | * | 0.02 |
| | Pembroke (St Ann's) | 30.13 | 36 | ESE | 4 | o | 30.03 | -.23 | 41 | 40 | + 6 | SE | 5 | ogu | 4 | 43 | 34 | o,gm | 0.0 | – |
| | Scilly (St. Mary's) ... | 30.08 | 43 | SE | 3 | o | 29.98 | -.22 | 44 | 41 | + 1 | SSE | 3 | c | 3 | 44 | 40 | c | 1.6 | – |
| | Jersey (St. Aubins) ... | 30.20 | 34 | ESE | 3 | om | 30.14 | -.12 | 36 | 35 | + 3 | ESE | 4 | orsp | 3 | 36 | 33 | om | 0.0 | – |
| | Portland Bill ... | 30.18 | 35 | ENE | 2 | o | 30.11 | -.17 | 39 | 37 | + 3 | ESE | 4 | c | 2 | 39 | 34 | o,c | * | – |
| | Dungeness ... ... | 30.22 | 32 | SSW | 2 | m | 30.19 | -.12 | 33 | 32 | + 1 | NW | 2 | og | 2 | 33 | 30 | m | 0.0 | – |
| | Wick ... ... ... | 30.00 | 43 | SW | 3 | o | 29.87 | -.18 | 38 | 37 | 0 | SW | 2 | o | 1 | 46 | 34 | – | * | 0.02 |
| | Nairn ... ... ... | 30.06 | 40 | W | 1 | 8 | 29.88 | -.23 | 32 | 30 | - 10 | S | 2 | 8c | 1 | 46 | 29 | – | * | – |
| | Aberdeen ... ... | 30.11 | 36 | SW | 3 | 8m | 29.93 | -.22 | 34 | 33 | + 5 | SW | 3 | om | 2 | 41 | 28 | 8,8m | 4.0 | 0.01 |
| | Leith ... ... ... | 30.13 | 43 | W | 1 | o | 29.95 | -.25 | 36 | 34 | - 6 | WSW | 3 | om | * | 43 | 30 | – | * | – |
| | North Shields ... | 30.16 | 31 | S | 3 | f | 30.02 | -.22 | 30 | 29 | - 5 | SW | 2 | o | 2 | 42 | 29 | – | * | – |
| | Spurn Head .. | 30.20 | 35 | SE | 3 | o | 30.10 | -.25 | 30 | 30 | 0 | SW | 4 | 8 | 2 | 37 | 27 | – | * | – |
| | Yarmouth ... ... | 30.21 | 33 | SSE | 4 | 8cf | 30.17 | -.16 | 31 | 29 | - 3 | W | 3 | of | 3 | 35 | 28 | c,8cf | * | – |
| | Clacton-on-Sea ... | 30.23 | 32 | SSE | 3 | o | 30.20 | -.13 | 31 | 30 | - 2 | WNW | 1 | o | 1 | 33 | 30 | og | 0.0 | – |
| | Nottingham ... | 30.21 | 31 | S | 1 | o | 30.14 | -.20 | 31 | 30 | + 2 | WSW | 1 | o | * | 37 | 27 | – | 0.0 | – |
| | Bath ... ... ... | 30.21 | 32 | E | 1 | o | 30.15 | -.15 | 34 | 33 | + 3 | E | 1 | o | * | 35 | 31 | – | 0.0 | – |
| | Oxford ... ... | 30.22 | 30 | SW | 1 | o | 30.18 | -.16 | 32 | 32 | + 2 | S | 1 | o | * | 33 | 29 | o | * | – |
| | London (Brixton) ... | 30.21 | 31 | S | 1 | o | 30.19 | -.12 | 32 | 32 | + 1 | SSW | 1 | og | * | 33 | 30 | o | 0.0 | – |
| GERMANY, &c. | The Scaw (Skagen) | 30.26 | 38 | W | 3 | m | 30.20 | -.05 | 38 | 37 | + 1 | WSW | 3 | m | 1 | 39 | 36 | – | * | – |
| | Fanö ... ... ... | 30.39 | 35 | W | 2 | o | 30.25 | -.16 | 33 | 33 | - 6 | SE | 2 | o | * | ? | ? | – | * | – |
| | Cuxhaven ... ... | 30.39 | 35 | E | 1 | o | 30.21 | -.23 | 32 | 32 | - 1 | SSE | 2 | m | * | 36 | 32 | – | * | – |
| | The Helder ... | 30.24 | 30 | SE | 1 | 8 | 30.15 | ? | 28 | 28 | | S | 1 | o | o | 34 | 27 | – | * | – |
| | Brussels ... ... | * | * | * | * | * | 30.25 | -.10 | 27 | 26 | + 3 | WSW | 1 | o | * | 29 | 23 | – | * | – |
| | Berlin ... ... ... | 30.41 | 34 | SW | 2 | o | 30.29 | -.19 | 33 | 33 | - 1 | SE | 3 | o | * | 36 | 32 | – | * | – |
| | Frankfürt ... ... | 30.30 | 27 | E | 2 | 8 | 30.26 | -.21 | 24 | 23 | - 2 | SE | 2 | o | * | 32 | 21 | – | * | – |
| | Munich ... ... | 30.28 | 22 | E | 4 | o | 30.21 | -.17 | 18 | 18 | - 5 | NE | 4 | f | * | 27 | 18 | – | * | – |
| FRANCE | C. Gris Nez ... | 30.16 | 28 | SE | 1 | m | 30.16 | -.14 | 31 | 31 | + 3 | SE | 2 | m | 2 | 32 | 28 | – | * | – |
| | Brest ... ... ... | 30.12 | 33 | ENE | 1 | o | 30.04 | -.19 | 39 | 37 | + 7 | E | 2 | 8 | 2 | 39 | 32 | – | * | – |
| | Lorient ... ... | 30.11 | 34 | ENE | 4 | c | 30.08 | -.12 | 37 | 36 | + 5 | E | 3 | o | 2 | 39 | 30 | – | * | – |
| | Rochefort ... ... | 30.08 | 37 | SE | 4 | 8 | 30.06 | -.11 | 40 | 38 | + 9 | SE | 3 | o | * | 41 | 31 | 8c,8 | * | – |
| | Biarritz ... ... | 29.99 | 43 | E | 1 | 8 | 30.04 | -.04 | 44 | 42 | +14 | SSW | 3 | o | 1 | 46 | 30 | – | * | – |
| | Paris ... ... ... | 30.25 | 29 | E | 1 | 8 | 30.21 | -.13 | 22 | ? | - 7 | NE | 2 | 8c | * | 33 | 22 | – | * | – |
| | Belfort... ... ... | 30.26 | 25 | ENE | 5 | m | 30.21 | -.12 | 19 | 19 | - 7 | ENE | 3 | m | * | 30 | 19 | – | * | – |
| | Lyons ... ... ... | ?30.29 | 27 | E | 1 | m | 30.25 | -.13 | ?26 | 26 | + 2 | NW | 1 | f | * | 29 | 24 | – | * | – |
| | Nice ... ... ... | 30.16 | 44 | Z | 0 | 8c | 30.08 | -.18 | ? | 37 | ? | E | 1 | c | 5 | 50 | 36 | – | * | – |
| | Perpignan ... ... | 30.00 | 50 | NE | 3 | o | 30.02 | -.09 | 48 | 48 | - 1 | E | 3 | r | * | 51 | 46 | – | * | 0.91 |
| SPAN. PEN. | Corunna ... ... | | | | | | | | | | | | | | | | | | * | |
| | Lisbon ... ... | 30.02 | 49 | WNW | 3 | 8 | 30.13 | +.20 | 47 | 45 | + 4 | SSW | 2 | m | * | 54 | 43 | – | * | – |
| | Azores (P. Delgada)... | | | | | | | | | | | | | | | | | | * | |
| | ,, (Horta) ... | 29.97 | 55 | Z | 0 | 8 | 29.97 | .00 | 53 | 51 | 0 | Z | 0 | 8 | 1 | 61 | 52 | – | * | – |

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.* † *Observations received too late for insertion in Charts on next page.*

# WEATHER CHARTS

FOR MONDAY, 25th JANUARY, 1904.

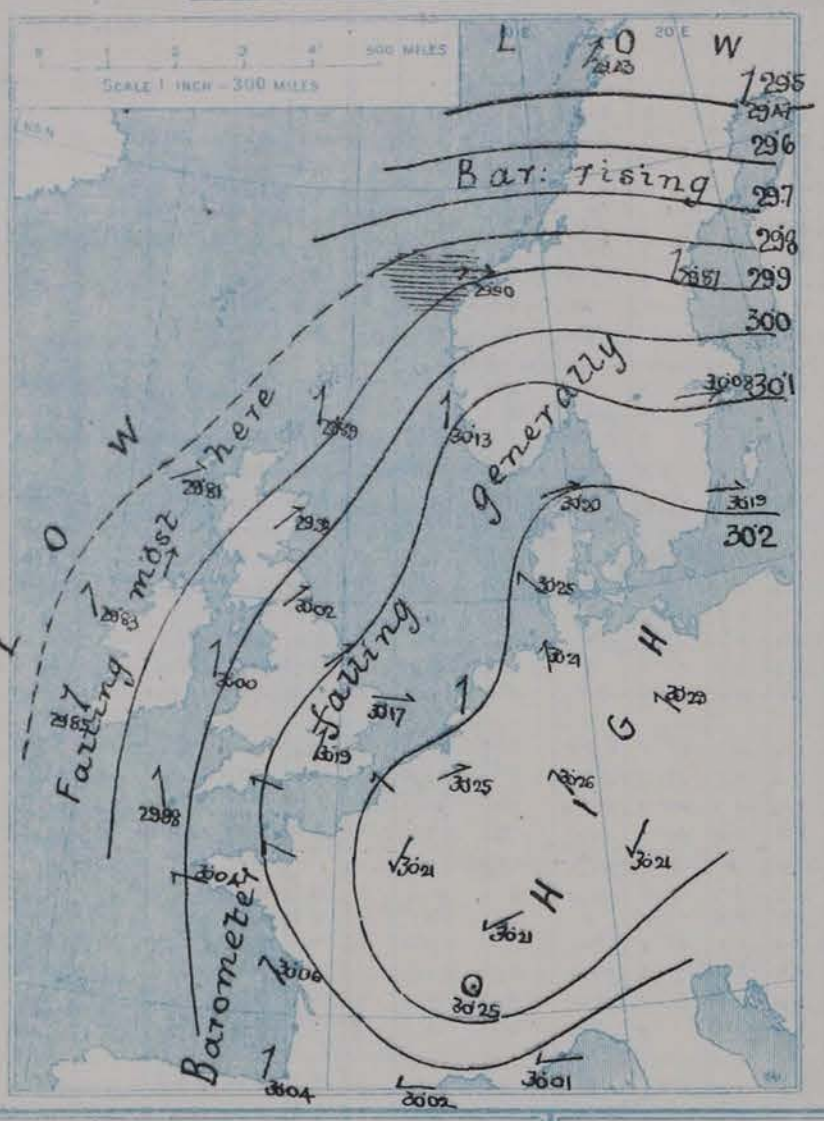
## I. BAROMETER, WIND AND SEA. *This Morning.*

*BAROMETER.—Isobars are drawn for each tenth of an inch.*

*WIND.—Arrows show Directions and Force, flying with the wind.*

*Force above 10* — *Force 8 to 10* — *Force 5 to 7* — *Force 1 to 4* — Calm

*SEA.—Rough* — *High*




## II. TEMPERATURE AND WEATHER. *This Morning.*

*TEMPERATURE.—Isotherms are drawn for each 10°.*

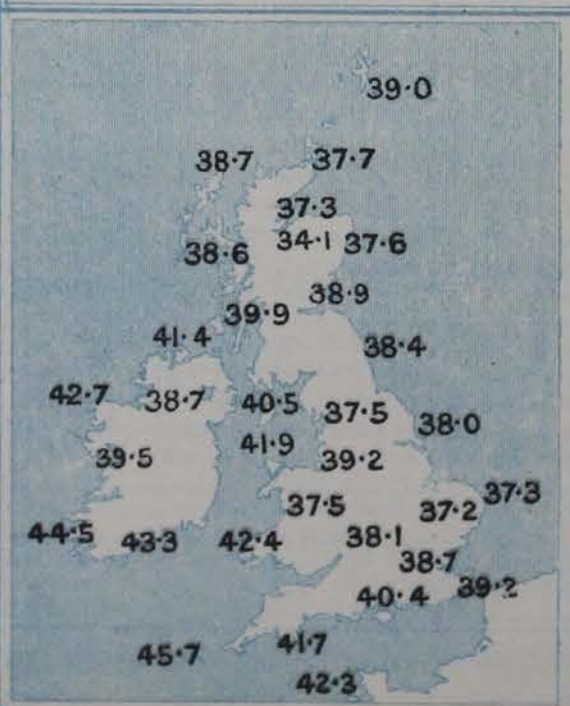
*WEATHER.—Shown by Letters of the Beaufort Scale.* (See P. 4.)

*RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus – 0·6*

## III. BAROMETER AND WIND

*Yesterday morning.*

## IV. *Averages of* DAILY MAXIMUM *and* MINIMUM TEMPERATURES *combined for the month of* JANUARY. *(1871–1900.)*




## V. *Means of* DAILY TEMPERATURE *at 8 A.M. for the Two monthly period* JANUARY–FEBRUARY *(1871–1900)*

# GENERAL SITUATION AT 8 A.M.

**PRESSURE**

The anticyclone recently noticed over our area is moving eastwards, and is apparently breaking up. The highest pressures, 30·2 ins. and upwards, are at present found over Denmark, Germany, the Netherlands and the northeast of France, but the barometer is falling over western Europe generally, most on our own western and northern coasts. The lowest pressures, 29·5 ins. and less, are reported in the north of Scandinavia. A depression is moving eastwards across that region, and other disturbances are evidently traversing the Atlantic, at some little distance from our western and northern coasts.

**WIND**

The wind is light to moderate from the E^ly or SE^ly over France, Germany and the English Channel, but is S^ly or SW^ly over the greater part of the United Kingdom, and is freshening in Ireland. In Scandinavia it is SW^ly or W^ly, with a gale at Christiansund.

**TEMPERATURE**

Temperature has changed very irregularly. Frost still prevails over England and central Scotland, as well as in the Netherlands, Germany and central France, the lowest morning temperatures reported being:- (1) In these Islands 30° at Shilldas and Spurn Head; (2) On the Continent, 18° at Munich, 19° at Belfort and 22° at Paris. On our southwest coasts and also in the Shetlands and the west of Norway the thermometer is above 40°, the reading at Roches Point being as high as 47°.

**WEATHER AND SEA**

The weather is fine in a few scattered places, but is dull over western Europe generally, with local fogs or mists; rain is falling at Valencia (Ireland) and also at Christiansund, and sleet showers are reported at Jersey. The sea is moderate on some parts of our western and extreme northern coasts, but is slight or smooth elsewhere.

During the past 24 hours the thermometer at some of our southern stations has failed to reach 35°, and at night a sharp frost was experienced in most parts of Great Britain. A fair amount of bright sunshine was recorded yesterday in north Wales, and also at Aberdeen; at the majority of our stations there was none. Slight rain fell in Ireland and the north of Scotland.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

Cyclonic disturbances are beginning to skirt our western and northern coasts, and are likely to spread gradually over the greater part of the United Kingdom. Increasing S^ly winds are probable in Ireland and Scotland today, with rain in many places, and milder unsettled weather is likely to extend over England in the course of the ensuing 48 hours.

# FORECASTS*

*For the 24 hours ending at NOON on* 26^th JANUARY, 1904

| DISTRICTS. | FORECASTS. |
|---|---|
| 0 SCOTLAND NORTH | S^ly winds, freshening; fair at first, some rain later, becoming milder. |
| 1 SCOTLAND EAST | |
| 2 ENGLAND N.E. | S^ly winds, light or moderate; cold today, with slight snow or sleet in places, becoming milder tomorrow. |
| 3 ENGLAND EAST | |
| 4 MIDLAND COUNTIES | |
| 5 ENGLAND SOUTH | |
| 6 SCOTLAND WEST | S^ly winds, freshening; cloudy, some showers, becoming milder. |
| 7 ENGLAND N.W. | |
| 8 ENGLAND S.W | |
| 9 IRELAND NORTH | S^ly winds, strong; dull, some rain. Milder. |
| 10 IRELAND SOUTH | |
| WARNINGS | None issued. |

*Note.*—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

# REPORTS FOR YESTERDAY.

| STATIONS. | Temperature F. Max. | Temperature F. Min. | Weather. | Sunshine. Hrs. | Rainfall. Ins. |
|---|---|---|---|---|---|
| Blackpool, to 9 p.m. ... ... | 44 | 28 | o m, o | 0·0 | – |
| Southport, to 9 p.m.... ... | 42 | 29 | o, f, c, o | 0·0 | – |
| Rhyl, ... ... ... ... ... | * | * | * | 4·8 | * |
| Llandudno ... ... ... ... | * | * | * | 4·5 | * |
| Bettws-y-Coed, to 6 p.m.... | 41 | 28 | bc, o | 5·0 | * |
| Aberystwyth, to 6 p.m. ... | 42 | 30 | f, o | 0·0 | – |
| Plymouth, to 9 p.m.... ... | | | | | |
| Bournemouth to 6 p.m. ... | * | * | * | 0·0 | – |
| Worthing ... ... ... ... | * | * | * | 0·0 | * |
| Brighton ... ... ... ... | 35 | * | * | 0·0 | * |
| Eastbourne, to 6 p.m. ... | 35 | * | * | 0·0 | * |

| STATIONS. | Temperature F. Max. | Temperature F. Min. | Weather. | Sunshine. Hrs. | Rainfall. Ins. |
|---|---|---|---|---|---|
| Hastings ... ... ... ... | * | * | * | 0·0 | * |
| Broadstairs... ... ... ... | * | * | * | | * |
| Margate ... ... ... ... | 33 | 31 | o | 0·0 | 0·01 |
| Lowestoft, to 6 p.m.... ... | | | | | |
| Skegness ... ... ... ... | * | * | * | 0·0 | * |
| Scarborough, to 6 p.m. ... | 41 | * | * | 0·0 | * |
| Harrogate, to 6 p.m. ... | 43 | 27 | m, o | 0·0 | – |
| Manchester, to 9 p.m. ... | 43 | 28 | m, o | 0·0 | – |
| Darwen, to p.m. ... .. | 39 | 27 | bc, of, om | 0·2 | – |
| Birmingham, to 9 p.m. ... | 37 | 26 | o | 0·0 | – |

## TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

| STATIONS. 24th Jan.y 1904 | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|
| Obsrs. not recd. | | | | |
| Copenhagen ... ... ... | | | | |
| Utrecht... ... ... ... ... | | | | |
| Groningen ... ... ... ... | | | | |
| Vienna ... ... ... ... ... | | | | |
| Marseilles ... ... ... ... | | | | |
| Florence ... ... ... ... | | | | |
| Rome ... ... ... ... ... | | | | |
| Naples ... ... ... ... ... | | | | |
| Palermo ... ... ... ... | | | | |
| Malta ... ... ... ... ... | | | | |

| STATIONS. | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|
| Algiers ... ... ... ... | | | | |
| Tunis ... ... ... ... | | | | |
| Madeira (Funchal) ... ... | | | | |
| 23rd Jan.y 1904. | 1 p.m. | | 1 p.m. | Measured 7 a.m. |
| Geneva ... ... ... ... | 32 | * | o | – |
| Berne ... ... ... ... | 28 | * | o | – |
| Coire ... ... ... ... | 27 | * | b | – |
| Castasegna ... ... ... | 36 | * | b | – |
| Lugano ... ... ... ... | 39 | * | o | – |
| Davos ... ... .. ... | 23 | * | b | – |

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

### TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

| COUNTRIES &c. | Hours of Morning Observations by Local Standard Time. | Corresponding Greenwich Times. | Hours of Evening Observations by Local Standard. | Corresponding Greenwich Times. |
|---|---|---|---|---|
| British Isles, Belgium† ... | 8 a.m. (West European) | 8 a.m. | 6 p.m.‡ (W.E.T.) | 6 p.m.‡ |
| Holland ... ... ... ... ... | 8 a.m. ( „ „ ) | 8 a.m. | 7 p.m. (W.E.T.) | 7 p.m. |
| Germany, Denmark, Norway, Sweden | 8 a.m. (Mid-European) | 7 a.m. | 8 p.m. (M.E.T.) | 7 p.m. |
| France ... ... ... ... ... | 7 a.m. (Paris) ... ... | 6.51 a.m. | 6 p.m. (Paris) | 5.51 p.m. |
| Spain ... ... ... ... ... | 8 a.m. (West European) | 8 a.m. | 6 p.m. (W.E.T.) | 6 p.m. |
| Portugal ... ... ... ... ... | 8 a.m. (Lisbon) ... ... | 8.36 a.m. | 3.23 p.m. (Lisbon) | 4 p.m. |
| Azores { Ponta Delgada ... ... | 6 a.m. (Local) ... ... | 7.43 a.m. | 9 p.m. (Local) | 10.43 p.m. |
| Azores { Horta ... ... ... | 6 a.m. (Local) ... ... | 7.55 a.m. | 9 p.m. (Local) | 10.55 p.m. |

### TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

| 25th Jan.y 1904. | Sunrise G.M.T. | Noon G.M.T. | Sunset G.M.T. |
|---|---|---|---|
| Yarmouth ... ... ... | 7.48 | 12.5 | 4.22 |
| Greenwich ... ... ... | 7.51 | 12.12 | 4.33 |
| Wick ... ... ... ... | 8.36 | 12.24 | 4.13 |
| Valencia ... ... ... | 8.34 | 12.53 | 5.12. |

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† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

# DAILY WEATHER REPORT

*for 8 a.m. on* Tuesday, 26th January, **1904.**

*Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London.* **W. N. SHAW,** *Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins. | Temp. Dry Bulb. ° | Wind. Direc. | Wind. Force (0 to 12.) | Weather | THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins. | Change since Yesterday. Ins. | Temperature. Dry Bulb. ° | Wet Bulb. ° | Change since Yesterday. ° | Wind. Direc. | Wind. Force (0 to 12.) | Weather. | Sea (0 to 9.) | PAST 24 HOURS. Temp. Max. ° | Temp. Min. ° | Weather | Sunshine Hours | Rainfall Ins. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SCANDINAVIA | Haparanda... ... | 29.69 | 30 | SW | 4 | 7 | 29.88 | +.45 | 25 | 24 | −10 | W | 2 | 0 | * | 37 | 25 | – | * | – |
| | Hernösand ... ... | 29.97 | 33 | N | 0 | 0 | 29.81 | −.06 | 31 | 29 | −6 | N | 0 | 0 | * | 43 | 30 | – | * | – |
| | Stockholm ... ... | 30.11 | 34 | W | 2 | 0 | 30.01 | −.07 | 31 | 30 | −4 | SW | 4 | 0 | * | 39 | 30 | – | * | – |
| | Wisby... ... ... | 30.13 | 32 | WSW | 2 | 0 | 30.10 | −.09 | 32 | 30 | −1 | W | 4 | 0 | * | 37 | 30 | – | * | – |
| | Karlstad ... ... | 30.09 | 35 | SW | 4 | 0 | 30.01 | −.10 | 33 | 32 | −3 | SSW | 2 | 0 | * | * | * | – | * | – |
| | Færder (X'iania Fjord) | 30.04 | 35 | SSW | 4 | 0 | 29.99 | −.09 | 38 | 36 | 0 | SW | 5 | m | 3 | 38 | 34 | – | * | – |
| | Bodö ... ... ... | 29.79 | 36 | W | 6 | 7 | 29.71 | +.24 | 33 | 31 | −5 | E | 2 | 0 | 2 | 38 | 30 | – | * | – |
| | Christiansund ... | 29.84 | 42 | SW | 4 | 0 | 29.78 | −.12 | 42 | 37 | −2 | SW | 3 | c | 4 | 44 | 37 | – | * | 0.04 |
| | Skudesnaes ... | 29.98 | 37 | SSE | 6 | 0 | 29.95 | −.18 | 38 | 38 | 0 | S | 6 | 0 | 4 | 39 | 36 | 0 | * | * |
| BRITISH ISLANDS | Sumburgh Head | 29.69 | 38 | WSW | 3 | 0 | 29.64 | −.25 | 43 | 41 | +2 | S | 4 | 0 | 5 | 43 | 36 | 0 | * | 0.04 |
| | Stornoway ... ... | 29.71 | 43 | SW | 3 | 0 | 29.43 | −.38 | 46 | 43 | +6 | SSE | 6 | 0 | 6 | 46 | 39 | c, 0 | 1.3 | – |
| | Malin Head ... | 29.72 | 44 | S | 5 | cm | 29.45 | −.38 | 44 | 43 | +7 | S | 6 | c | 4 | 44 | 34 | 7c, cm | * | – |
| | Blacksod Pt. ... | 29.67 | 47 | S | 5 | c | 29.47 | −.36 | 46 | 44 | +5 | SSW | 7 | cp | 5 | 48 | 31 | 7, c | * | 0.18 |
| | Valencia ... ... | 29.71 | 47 | SSE | 3 | c | 29.58 | −.27 | 47 | 45 | +3 | SSE | 3 | 0 | 4 | 49 | 43 | c | 1.3 | 0.37 |
| | Roche's Point ... | 29.80 | 48 | S | 4 | c | 29.68 | −.22 | 48 | 46 | +1 | SSW | 3 | 7c | 3 | 49 | 44 | 0, c, g | * | 0.03 |
| | Parsonstown ... | 29.79 | 45 | E | 2 | c | 29.61 | −.30 | 41 | 40 | +1 | SE | 2 | c | * | 46 | 39 | cp, 0 | 0.1 | 0.29 |
| | Donaghadee ... | 29.86 | 44 | SW | 3 | cp | 29.61 | −.35 | 46 | 43 | +6 | S | 3 | rg | 3 | 46 | 39 | cp | * | 0.02 |
| | Liverpool Obsy... | 29.99 | 35 | SSE | 4 | 0 | 29.80 | −.28 | 41 | 40 | +9 | SE | 3 | 0 | 3 | 42 | 32 | 0m | * | – |
| | Holyhead ... ... | 29.91 | 44 | S | 3 | 0m | 29.70 | −.30 | 46 | 46 | +7 | S | 7 | rgm | 5 | 46 | 39 | 0m | * | 0.05 |
| | Pembroke (St Ann's) | 29.92 | 44 | SSE | 6 | 0 | 29.77 | −.26 | 47 | 46 | +6 | SSW | 5 | cgpm | 5 | 48 | 40 | – | 0.0 | 0.04 |
| | Scilly (St. Mary's) ... | 29.91 | 50 | SSW | 4 | c | 29.79 | −.19 | 50 | 50 | +6 | SSW | 5 | cp | 4 | 52 | 41 | 7c, 0 | 3.3 | 0.22 |
| | Jersey (St. Aubins) ... | 30.10 | 42 | SE | 3 | 0mg | 30.10 | −.04 | 42 | 41 | +6 | SE | 3 | c7m | 3 | 43 | 36 | c, 0mg | 0.9 | 0.01 |
| | Portland Bill ... | 30.06 | 44 | SSE | 3 | r | 29.99 | −.12 | 45 | 44 | +6 | S | 3 | 7c | 3 | 45 | 38 | c, r | * | 0.02 |
| | Dungeness ... ... | 30.16 | 36 | SSE | 3 | c | 30.10 | −.09 | 42 | 40 | +9 | S | 4 | c | 3 | 42 | 32 | 0, 0 | 0.0 | – |
| | Wick ... ... ... | 29.73 | 41 | SSW | 2 | 7c | 29.56 | −.31 | 42 | 40 | +4 | S | 4 | c | 2 | 43 | 37 | – | * | – |
| | Nairn ... ... ... | 29.78 | 36 | N | 0 | 7c | 29.59 | −.29 | 42 | 39 | +10 | ESE | 3 | c | 1 | 43 | 30 | – | * | 0.01 |
| | Aberdeen ... ... | 29.87 | 38 | SSW | 3 | 0mg | 29.72 | −.21 | 41 | 39 | +7 | SSE | 4 | cmg | 2 | 41 | 34 | 0, cmg, 0 | 0.0 | – |
| | Leith ... ... ... | 29.87 | 41 | SW | 2 | 0 | 29.69 | −.26 | 41 | 39 | +6 | SSE | 3 | 7c | * | 45 | 35 | – | * | – |
| | North Shields ... | 29.94 | 37 | SW | 3 | 0m | 29.82 | −.20 | 36 | 35 | +6 | S | 3 | 0m | 2 | 38 | 30 | cm, 0m | * | – |
| | Spurn Head .. | 30.05 | 34 | SE | 5 | 7c | 29.95 | −.15 | 35 | 34 | +5 | S | 5 | f | 3 | 38 | 30 | – | * | – |
| | Yarmouth ... ... | 30.12 | 34 | SSW | 3 | 7c | 30.06 | −.11 | 37 | 36 | +6 | SSW | 3 | 7c | 3 | 37 | 30 | 7c, f | * | – |
| | Clacton-on-Sea ... | 30.16 | 35 | SE | 4 | c | 30.09 | −.11 | 38 | 37 | +7 | S | 2 | 7c | 2 | 38 | 31 | c, c, 6c | 0.0 | – |
| | Nottingham ... | 30.09 | 33 | SSW | 1 | 0 | 29.94 | −.20 | 41 | 40 | +10 | SSW | 2 | 0 | * | 41 | 31 | 0 | 0.0 | 0.01 |
| | Bath ... ... ... | 30.05 | 39 | NE | 2 | 0 | 29.95 | −.20 | 45 | 44 | +11 | SW | 2 | 0 | * | 46 | 34 | – | 3.7 | 0.03 |
| | Oxford ... ... | 30.09 | 35 | SSE | 2 | 0 | 30.01 | −.17 | 41 | 40 | +9 | S | 2 | 0 | * | 42 | 32 | c, p | * | – |
| | London (Brixton) ... | 30.12 | 35 | SE | 1 | c | 30.04 | −.15 | 39 | 38 | +7 | SSW | 2 | 7m | * | 40 | 32 | 0m, 6 | 0.0 | – |
| GERMANY, &c. | The Scaw (Skagen) | 30.12 | 33 | WSW | 3 | m | 30.09 | −.11 | 34 | 33 | −4 | W | 3 | m | 1 | 39 | 30 | – | * | – |
| | Fanö ... ... ... | 30.17 | 34 | SE | 2 | 0 | 30.17 | −.08 | 33 | 32 | 0 | S | 1 | 0 | * | ? | ? | – | * | – |
| | Cuxhaven ... ... | 30.19 | 30 | SW | 1 | 0 | 30.22 | +.01 | 33 | 33 | +1 | SW | 1 | 0m | * | 34 | 28 | – | * | – |
| | The Helder ... | 30.15 | 35 | W | 1 | 0 | 30.17 | +.02 | 28 | 28 | 0 | SSW | 2 | 0 | 1 | 36 | 28 | – | * | – |
| | Brussels ... ... | * | * | * | * | * | 30.24 | −.01 | 24 | 24 | −3 | ESE | 1 | 7 | * | 30 | 23 | – | * | – |
| | Berlin ... ... ... | 30.19 | 33 | SE | 2 | 0 | 30.27 | −.02 | 28 | 27 | −5 | W | 1 | 0 | * | 36 | 25 | – | * | – |
| | Frankfürt ... ... | 30.27 | 24 | NW | 1 | 0 | 30.30 | +.04 | 23 | 22 | −1 | NW | 2 | 0 | * | 25 | 21 | – | * | – |
| | Munich ... ... | 30.18 | 19 | SE | 2 | f | 30.23 | +.02 | 14 | 14 | −4 | W | 2 | f | * | 21 | 12 | – | * | – |
| FRANCE. | C. Gris Nez ... | 30.16 | 30 | ENE | 2 | m | 30.08 | −.08 | 37 | 33 | +6 | S | 3 | 0 | ? | ? | ? | – | * | – |
| | Brest ... ... ... | 30.01 | 46 | SE | 3 | 0 | 30.01 | −.03 | 49 | 48 | +10 | SSW | 3 | c | 4 | 49 | 39 | – | * | – |
| | Lorient ... ... | 30.07 | 44 | SE | 3 | 0 | 30.10 | +.02 | 48 | 48 | +11 | SW | 3 | c | 2 | 48 | 37 | – | * | – |
| | Rochefort ... ... | 30.10 | 45 | SE | 2 | 7c | 30.20 | +.14 | 37 | 37 | −3 | SE | 3 | 7 | * | 52 | 36 | c, 7c | * | – |
| | Biarritz ... ... | 30.14 | 46 | N | 0 | 0 | 30.23 | +.19 | 48 | 47 | +4 | SW | 3 | c | 1 | 48 | 44 | – | * | – |
| | Paris ... ... ... | 30.21 | 30 | NE | 1 | c | 30.23 | +.02 | 23 | 23 | +1 | SE | 1 | 0 | * | 32 | 22 | – | * | – |
| | Belfort... ... ... | 30.21 | 21 | ENE | 3 | f | 30.28 | +.07 | 18 | 18 | −1 | ENE | 2 | f | * | 28 | 18 | – | * | – |
| | Lyons ... ... ... | 30.25 | 26 | NW | 1 | 0 | 30.32 | +.07 | 25 | 25 | −1 | NW | 1 | f | * | 28 | 25 | – | * | – |
| | Nice † ... ... ... | 30.06 | 47 | N | 0 | c | 30.09 | +.01 | 37 | 33 | ? | E | 2 | 7c | 5 | 52 | 36 | – | * | – |
| | Perpignan ... ... | 30.12 | 44 | SW | 3 | 0 | 30.17 | +.15 | 41 | 39 | −7 | SW | 2 | 7 | * | 51 | 36 | – | * | 0.79 |
| SPAN. PEN. | Corunna ... ... | | | | | | | | | | | | | | | | | | * | |
| | Lisbon ... ... | 30.19 | 50 | NNW | 2 | 7 | 30.26 | +.13 | 45 | 45 | −2 | NNW | 1 | 7 | * | 55 | 45 | – | * | – |
| | Azores (P. Delgada)... | | | | | | | | | | | | | | | | | | * | |
| | ,, (Horta) ... | 30.09 | 57 | SW | 4 | 0 | 30.11 | +.14 | 59 | 57 | +6 | SW | 3 | 0 | 2 | 61 | 53 | – | * | 0.04 |

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

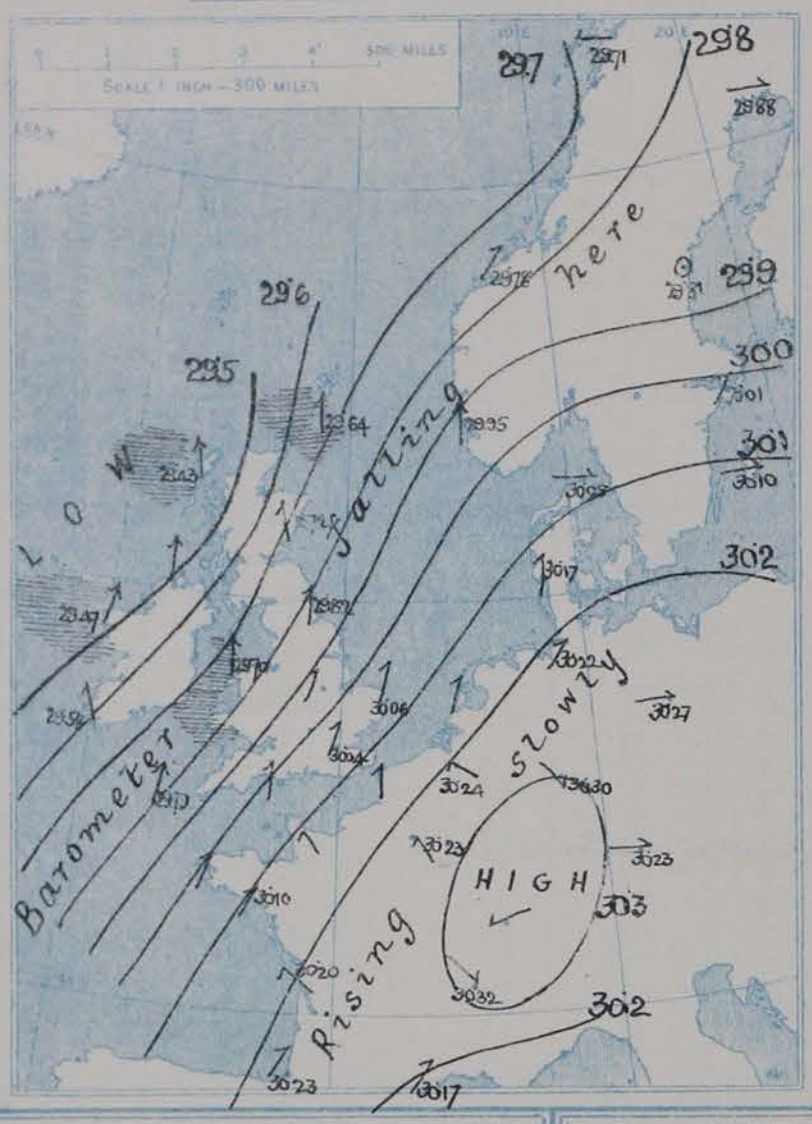
* *Observations for this column not generally received.* † *Observations received too late for insertion in Charts on next page.*

# WEATHER CHARTS

FOR TUESDAY, 26th JANUARY, 1904.

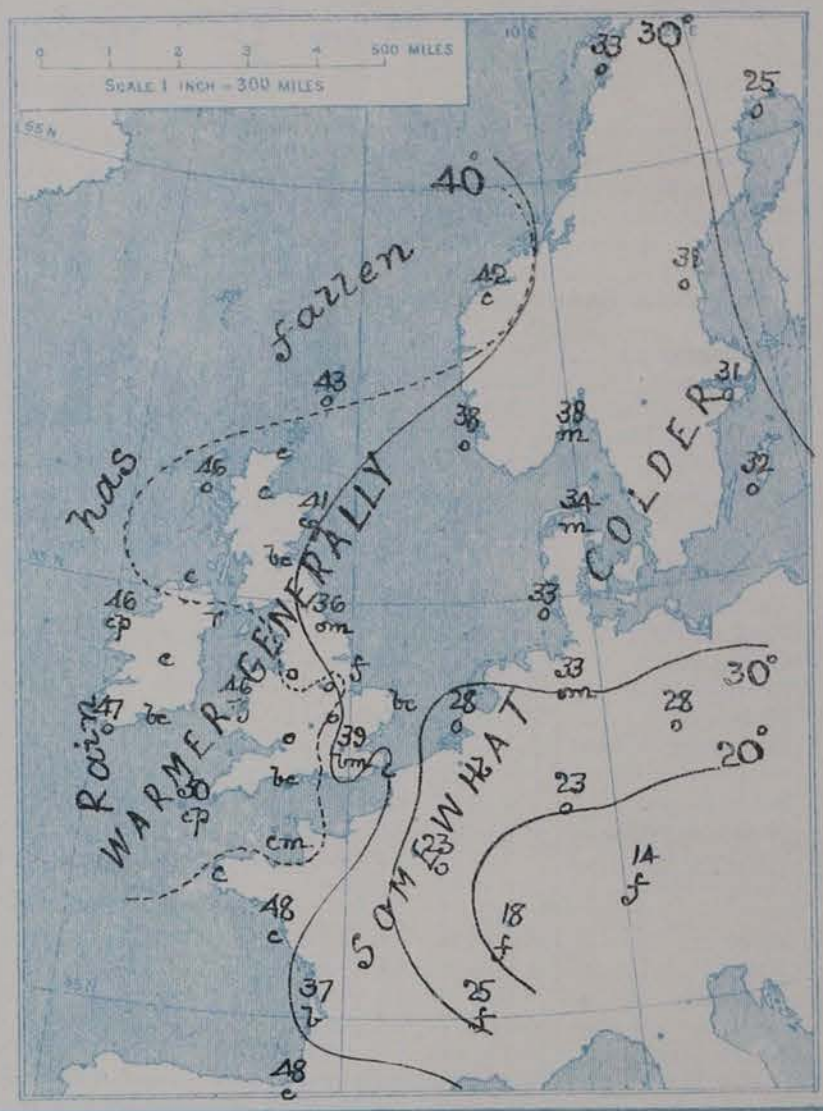
## I. BAROMETER, WIND AND SEA. *This Morning.*

*BAROMETER.—Isobars are drawn for each tenth of an inch.*
*WIND.—Arrows show Directions and Force, flying with the wind.*
*Force above 10* — *Force 8 to 10* — *Force 5 to 7* — *Force 1 to 4* — } Calm ⊙
*SEA.—Rough* *High*




## II. TEMPERATURE AND WEATHER. *This Morning.*

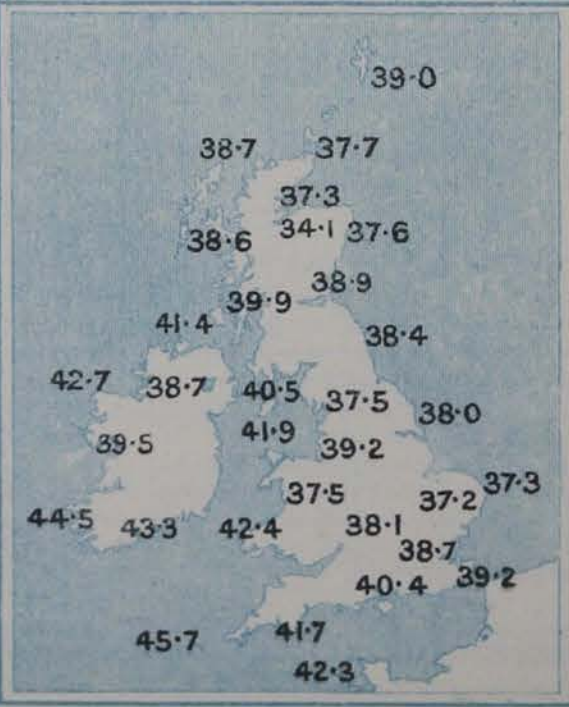
*TEMPERATURE.—Isotherms are drawn for each 10°.*
*WEATHER.—Shown by Letters of the Beaufort Scale.* *(See P. 4.)*
*RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus - 0·6*




## III. BAROMETER AND WIND

*Yesterday morning.*

## IV. *Averages of* DAILY MAXIMUM *and* MINIMUM TEMPERATURES *combined for the month of* JANUARY. *(1871–1900.)*




## V. *Means of* DAILY TEMPERATURE *at 8 A.M. for the Two monthly period* JANUARY–FEBRUARY *(1871–1900)*

# GENERAL SITUATION AT 8 A.M.

**PRESSURE**

A large and rather deep depression has appeared off our extreme northwest coasts, in which region the barometer has fallen below 29.5 ins. In our Islands and in Scandinavia the mercury is still falling, but owing to a fresh expansion of the continental anticyclone, it is again rising in France, Germany, and the Netherlands, the readings over Western Germany and the east of France being now above 30.3 ins. Over the United Kingdom the gradients for Southerly and Southwesterly winds is rather steep.

**WIND**

Southerly winds are now prevalent over Northwestern Europe generally and blow strongly on all our northwest coasts, with a moderate gale at Blackrod Point and Holyhead. In Germany the wind is light from the W^d^, while in Central France it is Easterly or Southeasterly. The setting in of so decided a Southerly current has been accompanied in these Islands by a general rise of temperature, the readings now being above the average at all but our east coast stations, where the thermometer ranges between 35° and 37°. On our west coasts the readings are above 45°, and at Scilly the thermometer stands at 50°. On the Continent the new expansion of the anticyclone has been accompanied by a fall of temperature, the readings being now as low as 14° at Munich, 18° at Belfort and 23° at Paris and Frankfort.

**TEMPERATURE**

**WEATHER AND SEA**

The weather is fine in the eastern and southeastern parts of Great Britain, as well as at many of the French stations. Elsewhere the sky remains very cloudy, with rain or passing showers on most parts of our own western coasts. The sea is rather rough on our extreme north and northwest coasts, as well as in the St. Georges Channel, but is slight or smooth elsewhere.

During yesterday the thermometer rose to 45° and upwards at many of our western stations, but failed to reach 40° in the east of England. The amount of bright sunshine was very variable (in many parts of Great Britain there was none), the highest values reported being 4.0 hrs. at Aberystwyth and 3.7 hrs. at Bath. Rain has fallen at most of our western and northern stations, but not in any great quantity.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression now reported off our extreme northwest coasts will probably travel away in a northerly direction, and the strong Southerly winds in its neighbourhood are therefore likely to subside. The continental anticyclone appears to be spreading westwards, and it is not unlikely that over England the present rise in temperature will be succeeded shortly by another spell of cold weather.

# FORECASTS*

*For the 24 hours ending at NOON on* 27^TH^ JANUARY, 1904

| DISTRICTS. | FORECASTS. |
|---|---|
| 0 SCOTLAND NORTH | S.ly. to S.W.ly. winds, strong in places; mild, cloudy, some rain. |
| 1 SCOTLAND EAST | S.ly. and S.W.ly. winds, moderate or fresh; fair at first, some showers later. |
| 2 ENGLAND N.E. | |
| 3 ENGLAND EAST | S.ly. to S.W.ly. winds, light or moderate; fair generally. Mild today, colder tomorrow. |
| 4 MIDLAND COUNTIES | |
| 5 ENGLAND SOUTH | |
| 6 SCOTLAND WEST | S.ly. to S.W.ly. winds, strong at first, but moderating later; mild, changeable, some showers. |
| 7 ENGLAND N.W. | |
| 8 ENGLAND S.W. | S.W.ly. winds, fresh; changeable, some showers. |
| 9 IRELAND NORTH | Same as Nos. 6 and 7. |
| 10 IRELAND SOUTH | Same as No. 8. |
| WARNINGS | None issued. |

*Note.*—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

# REPORTS FOR YESTERDAY.

| STATIONS. | Temperature F. Max. | Temperature F. Min. | Weather. | Sunshine. Hrs. | Rainfall. Ins. |
|---|---|---|---|---|---|
| Blackpool, to 9 p.m. ... ... | 38 | 29 | o, bc | 0·0 | – |
| Southport, to 9 p.m. ... ... | 39 | 30 | o, c, o | 0·0 | – |
| Rhyl, ... ... ... ... ... | * | * | * | 1·3 | * |
| Llandudno ... ... ... ... | * | * | * | 1·2 | * |
| Bettws-y-Coed, to 6 p.m. ... | 46 | 32 | c, bc | 2·3 | * |
| Aberystwyth, to 6 p.m. ... | 46 | 38 | c | 4·0 | – |
| Plymouth, to 9 p.m. ... ... | 48 | 37 | o, bc, bcp | 1·2 | – |
| Bournemouth to 6 p.m. ... | * | * | * | 0·8 | * |
| Worthing ... ... ... ... | * | * | * | 0·1 | * |
| Brighton ... ... ... ... | 38 | * | * | 0·0 | * |
| Eastbourne, to 6 p.m. ... | 38 | * | * | 0·0 | * |

| STATIONS. | Temperature F. Max. | Temperature F. Min. | Weather. | Sunshine. Hrs. | Rainfall. Ins. |
|---|---|---|---|---|---|
| Hastings ... ... ... ... | * | * | * | 0·0 | * |
| Broadstairs... ... ... ... | * | * | * | | * |
| Margate ... ... ... ... | 37 | 29 | c | 0·0 | – |
| Lowestoft, to 6 p.m. ... ... | 36 | 28 | o, bc, b | 1·2 | – |
| Skegness ... ... ... ... | * | * | * | 3·3 | * |
| Scarborough, to 6 p.m. ... | 39 | * | * | 2·8 | * |
| Harrogate, to 6 p.m. ... | 37 | 28 | om, bc | 0·7 | – |
| Manchester, to 9 p.m. ... | 43 | 28 | og, c | 0·0 | – |
| Darwen, to 9 p.m. ... .. | 34 | 25 | om, c, om | 0·0 | – |
| Birmingham, to 9 p.m. ... | 33 | 26 | c, o, c | 0·0 | – |

## TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

| STATIONS. 25th Jany. 1904 | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|
| Obsns. not received. | | | | |
| Copenhagen ... ... ... | | | | |
| Utrecht... ... ... ... ... | | | | |
| Groningen ... ... ... ... | | | | |
| Vienna ... ... ... ... ... | | | | |
| Marseilles ... ... ... ... | | | | |
| Florence ... ... ... ... | | | | |
| Rome ... ... ... ... ... | | | | |
| Naples ... ... ... ... ... | | | | |
| Palermo ... ... ... ... | | | | |
| Malta ... ... ... ... ... | | | | |

| STATIONS. | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|
| Obsns. not received. | | | | |
| Algiers ... ... ... ... | | | | |
| Tunis ... ... ... ... | | | | |
| Madeira (Funchal) ... ... | | | | |
| 24th Jany. Not received. | 1 p.m. | | 1 p.m. | Measured 7 a.m. |
| Geneva ... ... ... ... | | * | | |
| Berne ... ... ... ... | | * | | |
| Coire ... ... ... ... | | * | | |
| Castasegna ... ... ... | | * | | |
| Lugano ... ... ... ... | | * | | |
| Davos ... ... .. ... | | * | | |

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

### TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

| COUNTRIES, &c. | Hours of Morning Observations by Local Standard Time. | Corresponding Greenwich Times. | Hours of Evening Observations by Local Standard. | Corresponding Greenwich Times. |
|---|---|---|---|---|
| British Isles, Belgium† ... | 8 a.m. (West European) | 8 a.m. | 6 p.m.‡ (W.E.T.) | 6 p.m.‡ |
| Holland ... ... ... ... ... | 8 a.m. ( ,, ,, ) | 8 a.m. | 7 p.m. (W.E.T.) | 7 p.m. |
| Germany, Denmark, Norway, Sweden | 8 a.m. (Mid-European) | 7 a.m. | 8 p.m. (M.E.T.) | 7 p.m. |
| France ... ... ... ... ... | 7 a.m. (Paris) ... ... | 6.51 a.m. | 6 p.m. (Paris) | 5.51 p.m. |
| Spain ... ... ... ... ... | 8 a.m. (West European) | 8 a.m. | 6 p.m. (W.E.T.) | 6 p.m. |
| Portugal ... ... ... ... ... | 8 a.m. (Lisbon) ... ... | 8.36 a.m. | 3.23 p.m. (Lisbon) | 4 p.m. |
| Azores: Ponta Delgada ... ... | 6 a.m. (Local) ... ... | 7.43 a.m. | 9 p.m. (Local) | 10.43 p.m. |
| Azores: Horta ... ... ... | 6 a.m. (Local) ... ... | 7.55 a.m. | 9 p.m. (Local) | 10.55 p.m. |

### TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

| 26th Jany. 1904. | Sunrise G.M.T. | Noon G.M.T. | Sunset G.M.T. |
|---|---|---|---|
| Yarmouth ... ... ... | 7.47 | 12.6 | 4.24 |
| Greenwich ... ... ... | 7.50 | 12.13 | 4.35 |
| Wick ... ... ... ... | 8.34 | 12.25 | 4.15 |
| Valencia ... ... ... | 8.33 | 12.54 | 5.14 |

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† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

# DAILY WEATHER REPORT

*for 8 a.m. on* Wednesday, 27th January, **1904.**

*Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London.* **W. N. SHAW,** *Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins. | Temp. Dry Bulb. ° | Wind. Direc. | Wind. Force (0 to 12.) | Weather | THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins. | Barometer. Change since Yesterday. Ins. | Temperature. Dry Bulb. ° | Temperature. Wet Bulb. ° | Temperature. Change since Yesterday. ° | Wind. Direc. | Wind. Force (0 to 12.) | Weather. | Sea (0 to 9.) | PAST 24 HOURS. Temp. Max. ° | Temp. Min. ° | Weather | Sunshine Hours | Rainfall Ins. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SCANDINAVIA | Haparanda... ... | 29.80 | 26 | N | 0 | 0 | 29.75 | -.13 | 22 | 21 | -3 | S | 2 | 0 | * | 32 | 14 | - | * | - |
| | Hernösand ... ... | 29.92 | 27 | N | 0 | 0 | 29.93 | +.12 | 29 | 27 | -2 | N | 0 | 8 | * | 34 | 27 | - | * | - |
| | Stockholm ... ... | 30.11 | 36 | W | 2 | 0 | 30.15 | +.14 | 33 | 31 | +2 | WSW | 2 | 0 | * | 37 | 30 | - | * | - |
| | Wisby... ... ... | 30.21 | 28 | W | 4 | 0 | 30.25 | +.15 | 33 | 32 | +1 | SSW | 2 | 0 | * | 36 | 28 | - | * | - |
| | Karlstad ... ... | 30.12 | 35 | SW | 4 | 0 | 30.13 | +.12 | 34 | 32 | +1 | S | 4 | 0 | * | * | * | - | * | - |
| | Færder (X'iania Fjord) | 30.06 | 37 | SSW | 4 | m | 30.02 | +.03 | 36 | 35 | -2 | S | 6 | m | 3 | 39 | 36 | - | * | - |
| | Bodö ... ... ... | 29.59 | 39 | SSW | 4 | 0 | 29.61 | -.10 | 40 | 38 | +7 | S | 4 | c | 1 | 40 | 33 | - | * | - |
| | Christiansund ... | 29.75 | 43 | SW | 4 | 0 | 29.68 | -.15 | 45 | 39 | +3 | SSE | 3 | 8c | 4 | 45 | 41 | - | * | - |
| | Skudesnaes ... | 29.89 | 39 | S | 8 | 0 | 29.71 | -.24 | 39 | 38 | +1 | SSE | 9 | r | 7 | 39 | 37 | o,r | * | * |
| BRITISH ISLANDS. | Sumburgh Head | 29.47 | 44 | S | 5 | 0 | 29.15 | -.49 | 45 | 45 | +2 | S | 5 | r | 6 | 45 | 43 | o | * | 0.01 |
| | Stornoway ... ... | 29.29 | 46 | SSW | 6 | 0 | 28.94 | -.49 | 49 | 47 | +3 | SSW | 7 | o | 7 | 49 | 43 | o | 0.4 | 0.11 |
| | Malin Head ... | 29.25 | 46 | SSW | 8 | ou | 29.19 | -.26 | 44 | 40 | 0 | SSW | 7 | 8 | 5 | 46 | 40 | o,ou | * | 0.03 |
| | Blacksod Pt. ... | 29.24 | 49 | SSW | 7 | rm | 29.26 | -.21 | 46 | 40 | 0 | SW | 7 | 8c7p | 6 | 51 | 44 | rm | * | 0.25 |
| | Valencia ... ... | 29.41 | 51 | SSE | 4 | rm | 29.43 | -.15 | 45 | 42 | -2 | S | 2 | 8cm | 4 | 52 | 44 | gp,rm | 0.0 | 0.62 |
| | Roche's Point ... | 29.52 | 49 | S | 5 | r | 29.51 | -.17 | 46 | 45 | -2 | WSW | 2 | 8 | 2 | 50 | 45 | r | * | 0.44 |
| | Parsonstown ... | 29.46 | 46 | S | 3 | r | ?29.40 | -.21 | 43 | 42 | +2 | SE | 1 | 8 | * | 52 | 40 | op,r | 0.0 | 0.09 |
| | Donaghadee ... | 29.52 | 46 | S | 3 | or | 29.32 | -.29 | 49 | 48 | +3 | S | 3 | cpg | 4 | 49 | 44 | - | * | 0.10 |
| | Liverpool Obsy... | 29.70 | 46 | SSE | 3 | 0 | 29.51 | -.29 | 49 | 48 | +8 | S | 3 | o | 3 | 50 | 41 | p8o,op | * | 0.10 |
| | Holyhead ... ... | 29.62 | 48 | S | 4 | gmd | 29.46 | -.24 | 48 | 47 | +2 | SW | 7 | c | 5 | 49 | 45 | op,dg | * | 0.17 |
| | Pembroke (St Ann's) | 29.69 | 48 | SSW | 6 | 0 | 29.57 | -.20 | 48 | 48 | +1 | SW | 8 | odg | 6 | 49 | 47 | o,gm | 0.2 | 0.26 |
| | Scilly (St. Mary's) ... | 29.76 | 50 | SSW | 6 | dm | 29.67 | -.12 | 51 | 51 | +1 | SSW | 6 | m | 5 | 51 | 50 | r,dm | 0.0 | 0.44 |
| | Jersey (St. Aubins) ... | 30.07 | 47 | S | 4 | 8m | 29.92 | -.18 | 48 | 47 | +6 | SSW | 4 | rm | 3 | 50 | 41 | o,8m | ? 2.3 | 0.10 |
| | Portland Bill ... | 29.94 | 48 | SSW | 4 | c | 29.77 | -.22 | 48 | 48 | +3 | SSW | 6 | r | 5 | 48 | 44 | cp,c | * | 0.03 |
| | Dungeness ... ... | 30.06 | 45 | SW | 5 | cu | 29.93 | -.17 | 46 | 45 | +4 | SW | 6 | r | 5 | 47 | 41 | c,cu | 4.1 | 0.02 |
| | Wick ... ... ... | 29.42 | 44 | SW | 4 | 8c | 29.09 | -.47 | 45 | 44 | +3 | W | 4 | c | 3 | 45 | 40 | - | * | - |
| | Nairn ... ... ... | 29.42 | 44 | SW | 3 | c | 29.10 | -.49 | 49 | 46 | +7 | SW | 4 | c | 2 | 50 | 40 | - | * | - |
| | Aberdeen ... ... | 29.55 | 43 | S | 4 | 8cg | 29.23 | -.49 | 46 | 45 | +5 | S | 5 | 8c | 3 | 46 | 40 | op,8cg | 0.0 | 0.02 |
| | Leith ... ... ... | 29.57 | 47 | SW | 1 | c | 29.27 | -.42 | 51 | 49 | +10 | SSW | 4 | c | * | 52 | 39 | - | * | - |
| | North Shields ... | 29.68 | 44 | SSW | 3 | cm | 29.44 | -.38 | 50 | 48 | +14 | SSW | 5 | odp | 2 | 50 | 36 | cm | * | - |
| | Spurn Head .. | 29.82 | 41 | S | 6 | c | 29.63 | -.32 | 47 | 46 | +12 | S | 7 | cg | 4 | 48 | 34 | - | * | 0.02 |
| | Yarmouth ... ... | 29.98 | 42 | SSW | 5 | r | 29.83 | -.23 | 44 | 43 | +7 | SSW | 6 | cgg | 4 | 44 | 35 | 8c,r | * | 0.02 |
| | Clacton-on-Sea ... | 30.02 | 41 | S | 5 | c | 29.88 | -.21 | 43 | 42 | +5 | S | 6 | r | 5 | 43 | 37 | 8c,c,og | 6.0 | - |
| | Nottingham ... | 29.83 | 47 | SSW | 3 | 0 | 29.64 | -.30 | 50 | 49 | +9 | SSW | 5 | r | * | 50 | 40 | c,o | 1.3 | 0.04 |
| | Bath ... ... ... | 29.87 | ? 46 | SW | 7 | 0 | 29.72 | -.23 | 51 | 50 | +6 | SW | 5 | r | * | 52 | ?45 | - | 0.0 | 0.21 |
| | Oxford ... ... | 29.89 | 49 | S | 3 | 0 | 29.75 | -.26 | 49 | 48 | +8 | S | 3 | odpg | * | 49 | 40 | odp,g | * | 0.07 |
| | London (Brixton) ... | 29.98 | 46 | SW | 3 | 8c | 29.82 | -.22 | 48 | 46 | +9 | SW | 5 | odg | * | 49 | 38 | 8c,p,rg | 1.0 | 0.05 |
| GERMANY, &c. | The Scaw (Skagen) | 30.15 | 36 | W | 3 | m | 30.07 | -.02 | 35 | 35 | +1 | S | 5 | m | 2 | 37 | 34 | - | * | - |
| | Fanö ... ... ... | 30.19 | 32 | S | 6 | 0 | 30.09 | -.08 | 29 | 29 | -4 | ESE | 6 | o | * | 36 | 28 | - | * | - |
| | Cuxhaven ... ... | 30.26 | 33 | S | 3 | 0 | 30.17 | -.05 | 26 | 25 | -7 | S | 5 | 8 | * | 34 | 25 | - | * | - |
| | The Helder ... | 30.11 | 29 | S | 2 | 8c | 29.98 | -.19 | 34 | 33 | +6 | S | 4 | c | 2 | 34 | 27 | - | * | - |
| | Brussels ... ... | * | * | * | * | * | 30.18 | -.06 | 34 | 34 | +10 | SSE | 4 | o | * | 40 | 23 | - | * | - |
| | Berlin ... ... ... | 30.32 | 28 | SSW | 1 | 0 | 30.31 | +.04 | 28 | 26 | 0 | S | 2 | o | * | 30 | 25 | - | * | - |
| | Frankfürt ... ... | 30.37 | 23 | SW | 2 | 8 | 30.41 | +.11 | 22 | 21 | -1 | SW | 2 | 8 | * | 25 | 21 | - | * | - |
| | Munich ... ... | 30.27 | 14 | E | 3 | c | 30.34 | +.11 | 9 | 8 | -5 | E | 2 | f | * | 19 | 7 | - | * | - |
| FRANCE. | C. Gris Nez ... | 30.08 | 40 | SSW | 4 | 8 | 29.96 | -.12 | 43 | 42 | +6 | S | 5 | o | 4 | 45 | 37 | - | * | - |
| | Brest ... ... ... | 29.99 | 51 | SSW | 5 | 0 | 29.86 | -.15 | 51 | 51 | +2 | SSW | 5 | r | 5 | 52 | 49 | - | * | 0.32 |
| | Lorient ... ... | 30.10 | 50 | SW | 4 | 0 | 29.95 | -.15 | 50 | 50 | +2 | SSW | 6 | r | 5 | 54 | 48 | - | * | 0.35 |
| | Rochefort ... ... | 30.21 | 46 | SSW | 3 | 8 | 30.19 | -.01 | 38 | 38 | +1 | S | 4 | m | * | 52 | 37 | 8 | * | - |
| | Biarritz ... ... | 30.27 | 49 | N | 0 | 8 | 30.26 | +.03 | 42 | 40 | -6 | N | 0 | 8 | 2 | 54 | 41 | - | * | - |
| | Paris ... ... ... | 30.25 | 28 | SSE | 1 | 8 | 30.22 | -.01 | 32 | 32 | +9 | S | 3 | f | * | 32 | 23 | - | * | - |
| | Belfort... ... ... | 30.32 | 21 | ENE | 3 | f | 30.39 | +.11 | 15 | 15 | -3 | ENE | 3 | f | * | 22 | 15 | - | * | - |
| | Lyons ... ... ... | 30.36 | 26 | NNW | 1 | f | 30.42 | +.10 | 24 | 24 | -1 | NW | 1 | f | * | 29 | 24 | - | * | - |
| | Nice ... ... ... | 30.17 | 43 | E | 1 | 8 | 30.25 | +.16 | 37 | 35 | 0 | N | 0 | 8 | 2 | 52 | 36 | - | * | - |
| | Perpignan ... ... | 30.22 | 48 | W | 3 | 8 | 30.28 | +.11 | 36 | 35 | -5 | SW | 2 | 8 | * | 56 | 35 | - | * | - |
| SPAN. PEN. | Corunna ... ... | | | | | | | | | | | | | | | | | | * | |
| | Lisbon ... ... | 30.36 | 51 | W | 2 | 8 | 30.39 | +.13 | 45 | 44 | 0 | N | 0 | f | * | 55 | 45 | - | * | - |
| | Azores (P. Delgada)... | | | | | | | | | | | | | | | | | | * | |
| | ,, (Horta) ... | 30.19 | 61 | SW | 4 | 8c | 30.00 | -.11 | 59 | 56 | 0 | W | 4 | o | 2 | 64 | 59 | - | * | 0.08 |

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster; the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

† *Observations received too late for insertion in Charts on next page.*

# WEATHER CHARTS

FOR Wednesday, 27th January, 1904.

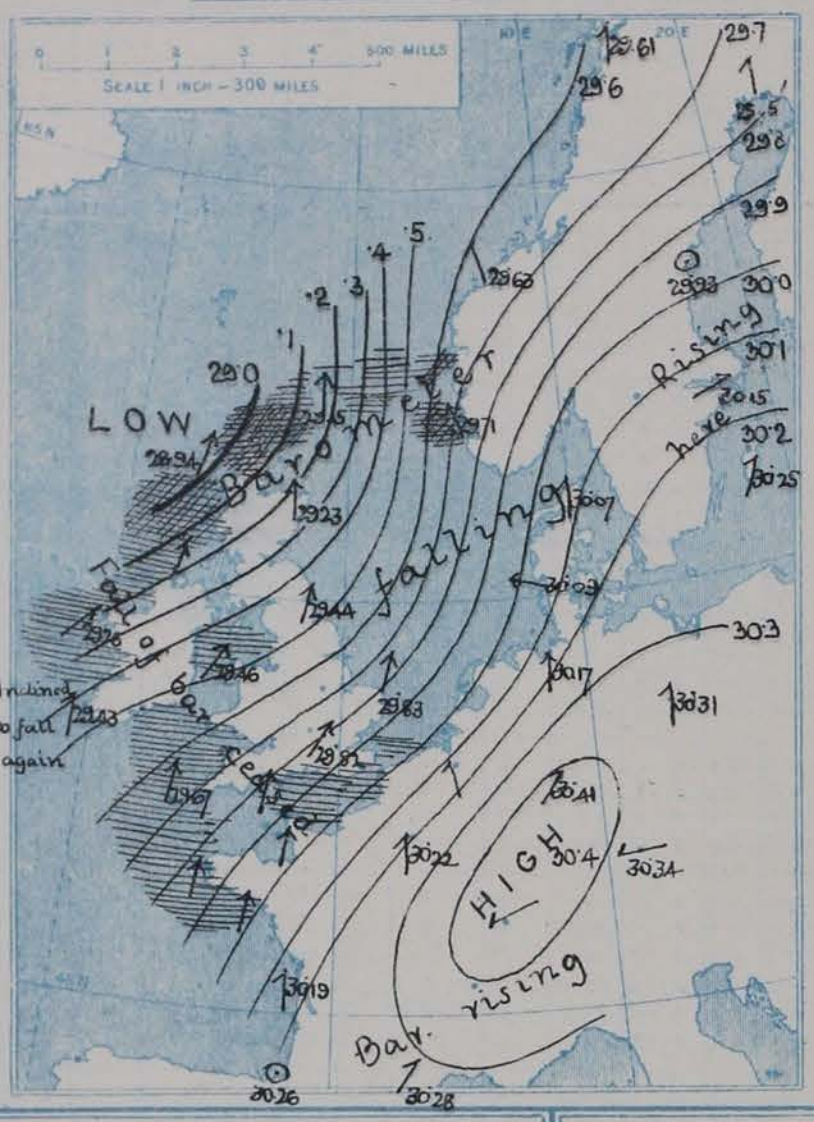
## I. BAROMETER, WIND AND SEA. *This Morning.*

*BAROMETER.—Isobars are drawn for each tenth of an inch.*

*WIND.—Arrows show Directions and Force, flying with the wind.*

*Force above 10* — *Force 8 to 10* — *Force 5 to 7* — *Force 1 to 4* — Calm

*SEA.—Rough* — *High*

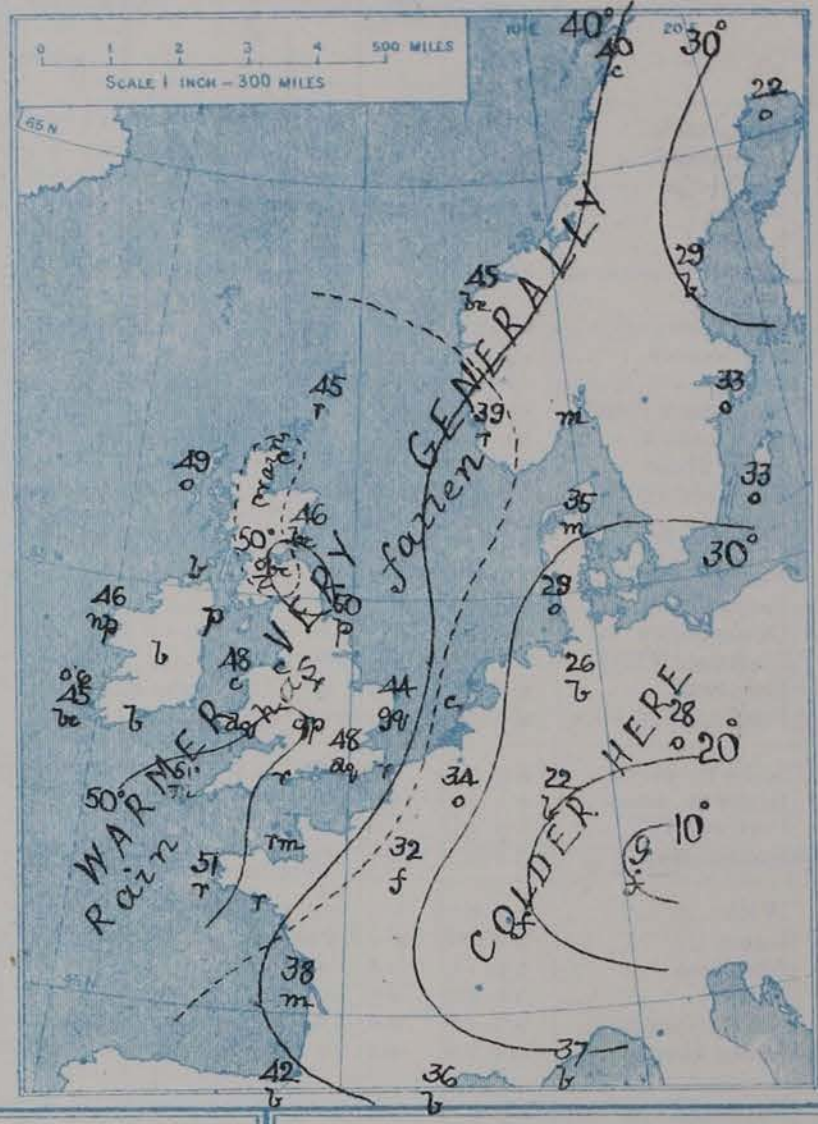



## II. TEMPERATURE AND WEATHER. *This Morning.*

*TEMPERATURE.—Isotherms are drawn for each 10°.*

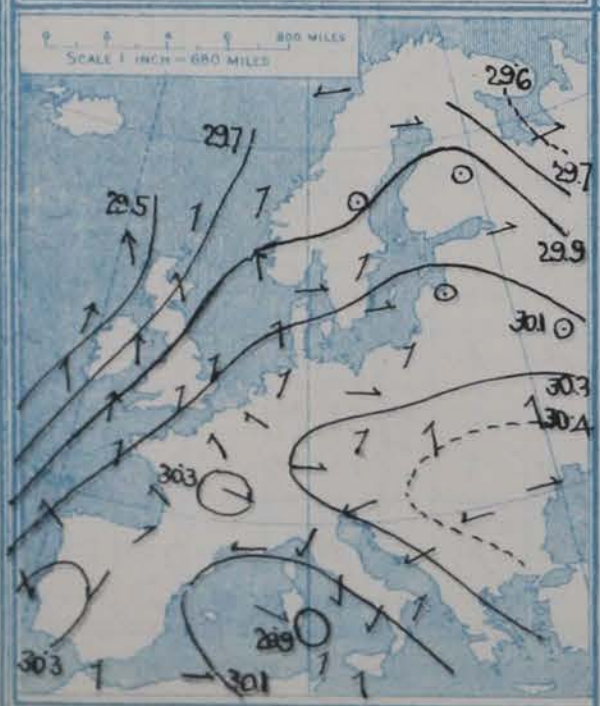
*WEATHER.—Shown by Letters of the Beaufort Scale.* *(See P. 4.)*

*RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus – 0·6*




## III. BAROMETER AND WIND

*Yesterday morning.*



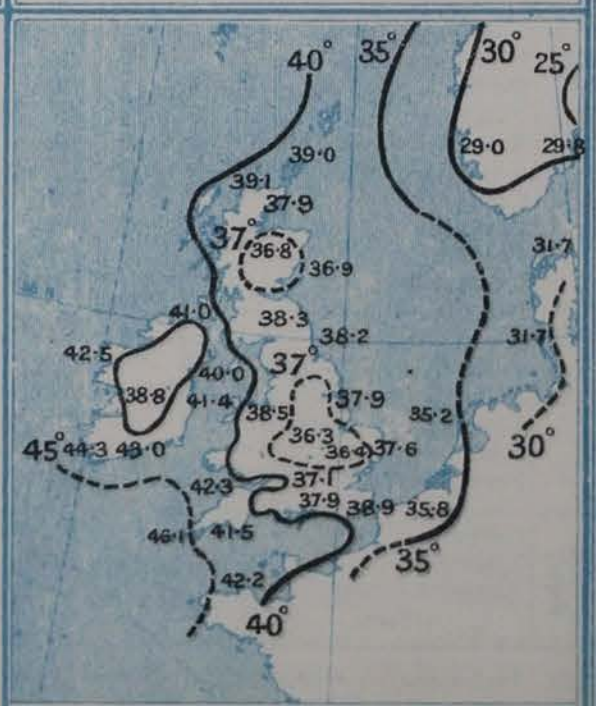

## IV. RAINFALL IN 1904.

Total Amount recorded in various districts of the United Kingdom in the 3 weeks ending Saturday 23rd JAN., with the percentage of the average amount.

## V. *Means of* DAILY TEMPERATURE

*at 8 A.M. for the Two monthly period*

JANUARY–FEBRUARY (1871–1900)



# GENERAL SITUATION AT 8 A.M.

**PRESSURE**

A cyclonic system of considerable intensity now covers the whole of these Islands and the North Sea, its central area being situated off the northwest of Scotland. In the Hebrides the barometer has fallen below 29·0 ins., but at many of our western and southern stations the fall has apparently ceased. A large anticyclone is reported over the Baltic, Germany, and the central and northern parts of France, the maximum pressures (slightly above 30·4 ins.) being found over western Germany. A steep gradient for S^ly winds exists over the North Sea, and a rather steep gradient for SW^ly winds over the whole of the United Kingdom.

**WIND**

Owing to the steady increase which has taken place in the barometric gradients, the wind is now strong from the S^wd or SW^wd over northwestern Europe generally: with a moderate gale on several of the more exposed parts of our own coasts, and a strong gale at Skudesnaes.

**TEMPERATURE**

The deepening of the S^ly air current has been accompanied by a further increase of temperature, and the readings of the thermometer in these Islands are now considerably above the average, the excess amounting in many parts of Great Britain to between 10° and 14°. At the majority of our stations the thermometer is well above 45°, the highest reading reported being 51° at Leith, Scilly and Bath.

**WEATHER AND SEA**

In Germany and central France, where light anticyclonic airs prevail, the frost continues, the morning temperatures being as low as 9° at Munich, 15° at Belfort, and 22° at Frankfürt. Rain is falling at many of the English stations, as well as in Brittany, and in the Shetlands and the south of Norway. In Ireland and Scotland the weather has cleared temporarily, fine weather being also reported in the south of France; fog prevails in central France and south Germany. The sea is high at Stornoway and Skudesnaes, and rough or rather so on many parts of our western and southern coasts.

During yesterday the thermometer rose to 50° or slightly above it at several of our western and northern stations. The amount of bright sunshine was rather large on our south and east coasts (as much as 6·0 hrs. at Clacton-on-Sea) but small elsewhere. Rain has fallen at all stations excepting a few in the east of Scotland and the northeast of England.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The depression whose centre now lies off the northwest of Scotland will probably travel away to the northward. At Valencia the barometer has risen during the night, but is now inclined to fall again, so that another disturbance is probably approaching the Irish coasts. The weather over these Islands is likely to continue mild and very changeable, with gales or strong winds from S or SW on many parts of our coasts.

# FORECASTS*

*For the 24 hours ending at NOON on* 28^th JANUARY, 1904

| DISTRICTS. | FORECASTS. |
|---|---|
| 0 SCOTLAND NORTH | SW^ly to S^ly strong winds or gales; squally, rain at times. |
| 1 SCOTLAND EAST | SW^ly to S^ly winds, fresh or strong; fair at first, some rain later. |
| 2 ENGLAND N.E. | SW^ly to S^ly winds, strong in places; weather continuing mild and very changeable, but some temporary improvement occurring today. |
| 3 ENGLAND EAST | |
| 4 MIDLAND COUNTIES | |
| 5 ENGLAND SOUTH | |
| 6 SCOTLAND WEST | SW^ly to S^ly winds, increasing in force; fair at first, then squally and rainy. |
| 7 ENGLAND N.W. | |
| 8 ENGLAND S.W. | |
| 9 IRELAND NORTH | |
| 10 IRELAND SOUTH | |
| WARNINGS | At 3.5 pm. yesterday to districts 6 to 10 and part of 0, "Hoist South Cone." |

*Note.*—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

# REPORTS FOR YESTERDAY.

| STATIONS. | Temperature F. Max. | Temperature F. Min. | Weather. | Sunshine Hrs. | Rainfall Ins. |
|---|---|---|---|---|---|
| Blackpool, to 9 p.m. ... ... | 48 | 32 | od, c, b, or | 1·3 | 0·04 |
| Southport, to 9 p.m. ... ... | 48 | 34 | o, c, op | 1·3 | 0·02 |
| Rhyl, ... ... ... ... ... | * | * | * | 2·3 | * |
| Llandudno ... ... ... ... | * | * | * | 2·0 | * |
| Bettws-y-Coed, to 6 p.m. ... | 51 | 39 | bc, or | 2·8 | * |
| Aberystwyth, to 6 p.m. ... | 49 | 45 | c | 1·5 | 0·04 |
| Plymouth, to 9 p.m. ... ... | 50 | 46 | op, oprt | 0·0 | 0·53 |
| Bournemouth to 6 p.m. ... | | | | 0·4 | |
| Worthing ... ... ... ... | * | * | * | 4·0 | * |
| Brighton ... ... ... ... | 46 | * | * | 4·2 | * |
| Eastbourne, to 6 p.m. ... | 46 | * | * | 5·5 | * |

| STATIONS. | Temperature F. Max. | Temperature F. Min. | Weather. | Sunshine Hrs. | Rainfall Ins. |
|---|---|---|---|---|---|
| Hastings ... ... ... ... | * | * | * | 5·0 | * |
| Broadstairs ... ... ... ... | * | * | * | | * |
| Margate ... ... ... ... | 45 | 31 | c, b | 4·0 | – |
| Lowestoft, to 6 p.m. ... ... | 41 | 35 | bw, o, r | 4·5 | – |
| Skegness ... ... ... ... | * | * | * | 0·0 | * |
| Scarborough, to 6 p.m. ... | 43 | * | * | 0·0 | * |
| Harrogate, to 6 p.m. ... | 45 | 31 | b, m, o | 0·0 | 0·03 |
| Manchester, to 9 p.m. ... | 46 | 35 | o, bc, r | 0·3 | 0·03 |
| Darwen, to 9 p.m. ... .. | 46 | 31 | omr, or | 0·0 | 0·21 |
| Birmingham, to 9 p.m. ... | | | | | |

## TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

| STATIONS. 26th Jan. 1904 | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|
| Copenhagen ... ... ... | 34 | 32 | f, f | 0·08 |
| Utrecht ... ... ... ... | 32 | 27 | m, m | – |
| Groningen ... ... ... ... | 32 | 23 | o, o | – |
| Vienna ... ... ... ... ... | 27 | 25 | f, f | ? |
| Marseilles ... ... ... ... | 57 | 39 | o, c | – |
| Florence ... ... ... ... | 46 | 40 | b, b | – |
| Rome ... ... ... ... ... | 50 | 43 | o, o | – |
| Naples ... ... ... ... ... | 48 | 43 | o, o | – |
| Palermo ... ... ... ... | 57 | 38 | bc, c | 0·35 |
| Malta ... ... ... ... ... | 60 | 50 | f | 0·16 |

| STATIONS. | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|
| Algiers ... ... ... ... | 55 | 46 | c, r | 0·32 |
| Tunis ... ... ... ... | 59 | 41 | bc, c | 0·24 |
| Madeira (Funchal) ... ... | Not | rec^d | | |
| 25th Jan. 1904 | 1 p.m. | | 1 p.m. | Measured 7 a.m. |
| Geneva ... ... ... ... | 28 | * | m | – |
| Berne ... ... ... ... | 23 | * | m | – |
| Coire ... ... ... ... | 41 | * | b | – |
| Castasegna ... ... ... | 34 | * | b | – |
| Lugano ... ... ... ... | 39 | * | b | – |
| Davos ... ... .. ... | 25 | * | b | – |

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

### TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

| COUNTRIES, &c. | Hours of Morning Observations by Local Standard Time. | Corresponding Greenwich Times. | Hours of Evening Observations by Local Standard. | Corresponding Greenwich Times. |
|---|---|---|---|---|
| British Isles, Belgium† ... | 8 a.m. (West European) | 8 a.m. | 6 p.m.‡ (W.E.T.) | 6 p.m.‡ |
| Holland ... ... ... ... ... | 8 a.m. ( " " ) | 8 a.m. | 7 p.m. (W.E.T.) | 7 p.m. |
| Germany, Denmark, Norway, Sweden | 8 a.m. (Mid-European) | 7 a.m. | 8 p.m. (M.E.T.) | 7 p.m. |
| France ... ... ... ... ... | 7 a.m. (Paris) ... ... | 6.51 a.m. | 6 p.m. (Paris) | 5.51 p.m. |
| Spain ... ... ... ... ... | 8 a.m. (West European) | 8 a.m. | 6 p.m. (W.E.T.) | 6 p.m. |
| Portugal ... ... ... ... ... | 8 a.m. (Lisbon) ... ... | 8.36 a.m. | 3.23 p.m. (Lisbon) | 4 p.m. |
| Azores { Ponta Delgada ... ... | 6 a.m. (Local) ... ... | 7.43 a.m. | 9 p.m. (Local) | 10.43 p.m. |
| Azores { Horta ... ... ... | 6 a.m. (Local) ... ... | 7.55 a.m. | 9 p.m. (Local) | 10.55 p.m. |

### TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

| 27th Jan. 1904. | Sunrise G.M.T. | Noon G.M.T. | Sunset G.M.T. |
|---|---|---|---|
| Yarmouth ... ... ... | 7.46 | 12.6 | 4.26 |
| Greenwich ... ... ... | 7.49 | 12.13 | 4.37 |
| Wick ... ... ... ... | 8.32 | 12.25 | 4.17 |
| Valencia ... ... ... | 8.32 | 12.54 | 5.16 |

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† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

# DAILY WEATHER REPORT

*for 8 a.m. on Thursday, 28th January,* **1904.**

*Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London.* **W. N. SHAW,** *Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins. | Temp. Dry Bulb. ° | Wind. Direc. | Wind. Force (0 to 12.) | Weather | THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins. | Change since Yesterday. Ins. | Temperature. Dry Bulb. ° | Wet Bulb. ° | Change since Yesterday. ° | Wind. Direc. | Wind. Force (0 to 12.) | Weather. | Sea (0 to 9.) | PAST 24 HOURS. Temp. Max. ° | Temp. Min. ° | Weather | Sunshine Hours. | Rainfall. Ins. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SCANDINAVIA | Haparanda... ... | 29.82 | 27 | SW | 2 | o | 29.69 | -.06 | 33 | 33 | +11 | SW | 4 | r | * | 33 | 22 | - | * | - |
| | Hernösand ... ... | 29.86 | 33 | SW | 4 | o | 29.79 | -.14 | 34 | 32 | +5 | SW | 6 | o | * | 36 | 25 | - | * | - |
| | Stockholm ... ... | 30.12 | 33 | S | 6 | o | 30.05 | -.10 | 33 | 32 | 0 | S | 8 | o | * | 37 | 30 | - | * | - |
| | Wisby... ... ... | 30.24 | 32 | SW | 4 | o | 30.17 | -.08 | 32 | 30 | -1 | ?S | 4 | c | * | 37 | 30 | - | * | - |
| | Karlstad ... ... | 30.02 | 33 | SSW | 4 | o | 29.90 | -.23 | 35 | 34 | +1 | S | 4 | r | * | * | * | - | * | 0.12 |
| | Færder (X'iania Fjord) | 29.89 | 36 | S | 7 | r | 29.74 | -.28 | 38 | 38 | +2 | S | 6 | r | 4 | 38 | 36 | - | * | 0.51 |
| | Bodö ... ... ... | 29.49 | 39 | E | 4 | b | 29.40 | -.21 | 34 | 33 | -6 | ESE | 2 | b | 2 | 41 | 32 | - | * | - |
| | Christiansund ... | 29.37 | ?49 | S | 3 | o | 29.26 | -.37 | 44 | 41 | -1 | E | 2 | o | 3 | 49 | 43 | - | * | - |
| | Skudesnaes ... | 29.59 | 41 | S | 8 | r | 29.45 | -.26 | 42 | 42 | +3 | S | 9 | o | 8 | 42 | 37 | r | * | * |
| BRITISH ISLANDS. | Sumburgh Head | 29.23 | 43 | WSW | 4 | b | 28.95 | -.20 | 44 | 42 | -1 | SW | 4 | o | 6 | 47 | 42 | c, b | * | 0.05 |
| | Stornoway ... ... | 29.11 | 44 | SW | 5 | o | 28.88 | -.06 | 43 | 40 | -6 | SW | 5 | orhq | 5 | 49 | 38 | rhq,ol | 1.9 | 0.20 |
| | Malin Head ... | 29.16 | 43 | SSW | 7 | og | 28.84 | -.35 | 43 | 41 | -1 | SW | 9 | ogp | 6 | 45 | 37 | bc,og | * | 0.22 |
| | Blacksod Pt. ... | 29.09 | 44 | SSW | 8 | bcmp | 29.05 | -.21 | 45 | 41 | -1 | WSW | 9 | bcgpm | 7 | 48 | 33 | rhqtl | * | 0.45 |
| | Valencia ... ... | 29.21 | 48 | S | 6 | ogp | 29.37 | -.06 | 44 | 41 | -1 | SW | 6 | c | 6 | 49 | 41 | op,tlrh | 0.0 | 0.12 |
| | Roche's Point ... | 29.33 | 49 | S | 4 | op | 29.41 | -.10 | 46 | 43 | 0 | SW | 4 | bc | 3 | 49 | 42 | rt,p,tl | * | 0.16 |
| | Parsonstown ... | 29.28 | 41 | SSE | 3 | c | 29.30 | -.10 | 43 | 40 | 0 | SW | 6 | bq | * | 48 | 39 | op,c | 0.0 | 0.25 |
| | Donaghadee ... | 29.31 | 46 | SSW | 3 | r | 29.19 | -.13 | 44 | 41 | -5 | WSW | 4 | bqp | 3 | 49 | 39 | - | * | 0.20 |
| | Liverpool Obsy... | 29.42 | 46 | SSE | 2 | r | 29.49 | -.02 | 44 | 40 | -5 | SW | 3 | b | 4 | 52 | 43 | p,bc,r | * | 0.11 |
| | Holyhead ... ... | 29.35 | 48 | S | 6 | rmu | 29.37 | -.09 | 47 | 44 | -1 | SW | 8 | c | 6 | 49 | 44 | o,rmu | * | 0.14 |
| | Pembroke (St Ann's) | 29.42 | 48 | SW | 6 | c | 29.51 | -.06 | 47 | 44 | -1 | S | 7 | bcgm | 6 | 51 | 46 | cpm,gp | 0.0 | 0.34 |
| | Scilly (St. Mary's) ... | 29.52 | 51 | SW | 6 | o | 29.56 | -.11 | 49 | 47 | -2 | WSW | 5 | cp | 6 | 52 | 47 | r,o | 0.0 | 0.10 |
| | Jersey (St. Aubins) ... | 29.82 | 50 | SSW | 6 | og | 29.79 | -.13 | 48 | 47 | 0 | S | 7 | omr | 5 | 51 | 47 | r,ogm | 0.0 | 0.28 |
| | Portland Bill ... | 29.68 | 49 | SW | 6 | d | 29.69 | -.08 | 46 | 45 | -2 | SW | 5 | r | 5 | 49 | 44 | f,d | * | 0.20 |
| | Dungeness ... ... | 29.84 | 47 | SW | 6 | ou | 29.81 | -.12 | 46 | 44 | 0 | SW | 5 | rq | 5 | 48 | 44 | r,ou | 0.0 | 0.27 |
| | Wick ... ... ... | 29.24 | 45 | SW | 4 | c | 28.97 | -.12 | 43 | 40 | -2 | SW | 4 | bc | 4 | 48 | 40 | - | * | - |
| | Nairn ... ... ... | 29.22 | 43 | SW | 3 | bc | 28.98 | -.12 | 39 | 37 | -10 | SW | 4 | bcm | 2 | 50 | 39 | - | * | 0.01 |
| | Aberdeen ... ... | 29.35 | 42 | SSE | 3 | bc | 29.16 | -.07 | 42 | 39 | -4 | SSW | 4 | b | 3 | 49 | 40 | b,bc,op | 2.9 | 0.02 |
| | Leith ... ... ... | 29.35 | 45 | SSW | 1 | c | 29.19 | -.08 | 46 | 42 | -5 | SSW | 4 | ogp | * | 52 | 40 | - | * | 0.13 |
| | North Shields ... | 29.44 | 50 | SSW | 2 | cm | 29.40 | -.04 | 44 | 42 | -6 | SW | 4 | cp | 2 | 53 | 43 | cm,r | * | 0.20 |
| | Spurn Head .. | 29.55 | 47 | S | 6 | c | 29.56 | -.07 | 47 | 45 | 0 | SW | 6 | ogp | 4 | 50 | 44 | - | * | 0.20 |
| | Yarmouth ... ... | 29.74 | 45 | SSW | 5 | og | 29.70 | -.13 | 47 | 45 | +3 | SSW | 5 | c | 4 | 47 | 41 | o,og | * | 0.02 |
| | Clacton-on-Sea ... | 29.78 | 44 | S | 7 | o | 29.75 | -.13 | 44 | 43 | +1 | S | 5 | o | 6 | 45 | 42 | r,og | 0.0 | 0.16 |
| | Nottingham ... | 29.54 | 50 | SSW | 3 | r | 29.57 | -.07 | 48 | 45 | -2 | SSW | 2 | o | * | 53 | 45 | - | 0.0 | 0.15 |
| | Bath ... ... ... | 29.61 | 52 | SW | 6 | r | 29.56 | -.16 | 47 | 45 | -4 | SW | 3 | r | * | 53 | 46 | - | 0.0 | 0.15 |
| | Oxford ... ... | 29.63 | 51 | SSW | 4 | o | 29.66 | -.09 | 49 | 47 | 0 | SSW | 4 | odg | * | 52 | 48 | odg | * | 0.12 |
| | London (Brixton) ... | 29.69 | 49 | SW | 7 | orq | 29.70 | -.12 | 47 | 47 | -1 | SSW | 5 | orq | * | 51 | 44 | odg,rq | 0.0 | 0.19 |
| GERMANY, &c. | The Scaw (Skagen) | 29.95 | 37 | S | 7 | m | 29.84 | -.23 | 38 | 38 | +3 | SSW | 6 | r | 2 | 38 | 34 | - | * | 0.04 |
| | Fanö ... ... ... | 29.95 | 37 | SSW | 6 | o | 29.90 | -.19 | 38 | 36 | +9 | S | 4 | o | * | 39 | 29 | - | * | - |
| | Cuxhaven ... ... | 30.11 | 35 | S | 4 | bc | 30.02 | -.15 | 37 | ? | +11 | S | 3 | o | * | ? | ? | - | * | ? |
| | The Helder ... | 29.89 | 39 | SSW | 4 | r | 29.84 | -.14 | 45 | 43 | +11 | SSW | 6 | o | 3 | 45 | 34 | - | * | 0.08 |
| | Brussels ... ... | * | * | * | * | * | 30.00 | -.18 | 40 | 38 | +6 | SSE | 5 | o | * | 41 | 34 | - | * | - |
| | Berlin ... ... ... | 30.30 | 28 | S | 2 | b | 30.26 | -.05 | 21 | 18 | -7 | SE | 2 | b | * | 30 | 19 | - | * | - |
| | Frankfürt ... ... | 30.36 | 22 | E | 1 | b | 30.31 | -.10 | 19 | 19 | -3 | SE | 1 | b | * | 27 | 18 | - | * | - |
| | Munich ... ... | 30.34 | 10 | E | 4 | f | 30.32 | -.02 | 7 | 7 | -2 | NE | 3 | f | * | 21 | 5 | - | * | - |
| FRANCE. | C. Gris Nez ... | 29.89 | 45 | SSE | 6 | o | 29.84 | -.12 | 45 | 43 | +2 | SSW | 6 | r | 6 | 46 | 43 | - | * | 0.24 |
| | Brest ... ... ... | 29.76 | 51 | SSW | 5 | o | 29.74 | -.12 | 48 | 47 | -3 | SW | 3 | r | 5 | 51 | 46 | - | * | 0.39 |
| | Lorient ... ... | 29.90 | 52 | SW | 6 | f | 29.78 | -.17 | 51 | 50 | +1 | SSW | 6 | r | 7 | 54 | 48 | - | * | 0.51 |
| | Rochefort ... ... | 30.13 | 45 | SSE | 4 | o | 29.97 | -.22 | 43 | 43 | +5 | SE | 4 | o | * | 48 | 36 | r,o | * | 0.04 |
| | Biarritz ... ... | 30.20 | 55 | X | 0 | c | 30.04 | -.22 | 55 | 48 | +13 | S | 3 | c | 2 | 57 | 42 | - | * | - |
| | Paris ... ... ... | 30.14 | 43 | SSW | 3 | o | 30.04 | -.18 | 41 | 37 | +9 | S | 3 | o | * | 46 | 32 | - | * | - |
| | Belfort... ... ... | 30.32 | 26 | ENE | 2 | m | 30.31 | -.08 | 22 | 21 | +7 | ENE | 2 | m | * | 32 | 15 | - | * | - |
| | Lyons ... ... ... | 30.37 | 25 | WSW | 1 | f | 30.30 | -.12 | 25 | 25 | +1 | SE | 1 | b | * | 27 | 18 | - | * | - |
| | Nice ... ... ... | | | | | | | | | | | | | | | | | | * | |
| | Perpignan ... ... | 30.28 | 43 | E | 1 | b | 30.20 | -.08 | 36 | 36 | 0 | NW | 1 | b | * | 56 | 33 | - | * | - |
| SPAN. PEN. | Corunna ... ... | | | | | | | | | | | | | | | | | | * | |
| | Lisbon ... ... | 30.29 | 52 | SSW | 4 | b | 30.14 | -.25 | 52 | 49 | +7 | SSW | 3 | o | * | 57 | 48 | - | * | - |
| | Azores (P. Delgada)... | | | | | | | | | | | | | | | | | | * | |
| | ,, (Horta) ... | 30.39 | 52 | NW | 4 | bc | 30.47 | +.47 | 52 | 47 | -7 | NW | 2 | b | 2 | 61 | 50 | - | * | - |

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea*

* *Observations for this column not generally received.* † *Observations received too late for insertion in Charts on next page.*

# WEATHER CHARTS

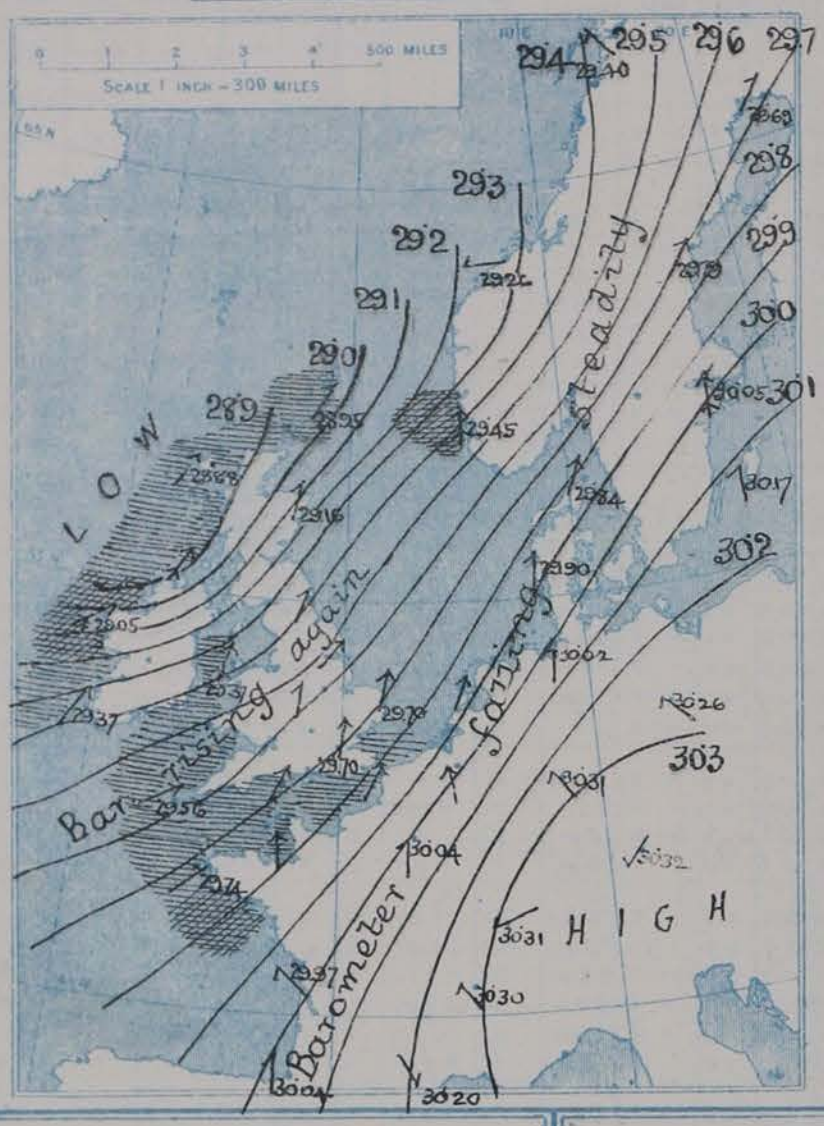
FOR Thursday, 28th January, 1904.

## I. BAROMETER, WIND AND SEA. *This Morning.*

*BAROMETER.—Isobars are drawn for each tenth of an inch.*
*WIND.—Arrows show Directions and Force, flying with the wind.*

*Force above 10* — *Force 8 to 10* — *Force 5 to 7* — *Force 1 to 4* — } Calm ⊙

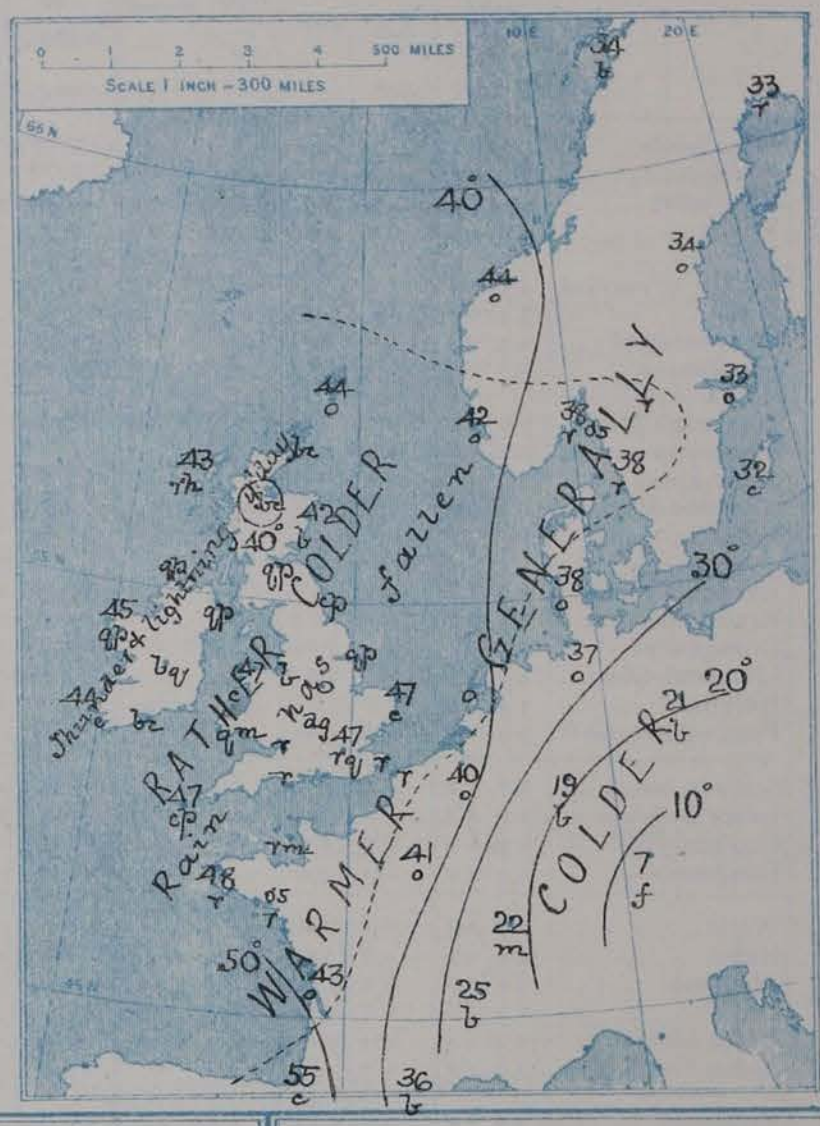
*SEA.—Rough* *High*




## II. TEMPERATURE AND WEATHER. *This Morning.*

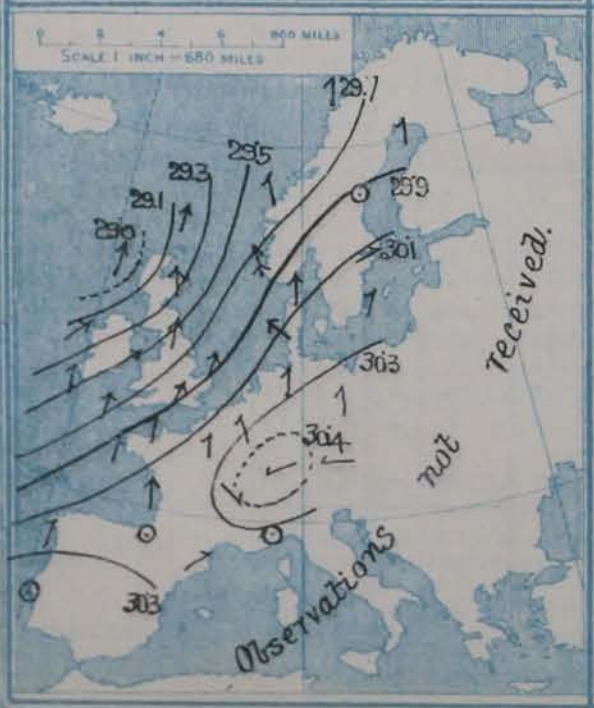
*TEMPERATURE.—Isotherms are drawn for each 10°.*
*WEATHER.—Shown by Letters of the Beaufort Scale.* *(See P. 4.)*

*RAINFALL.—* *A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus - 0·6*



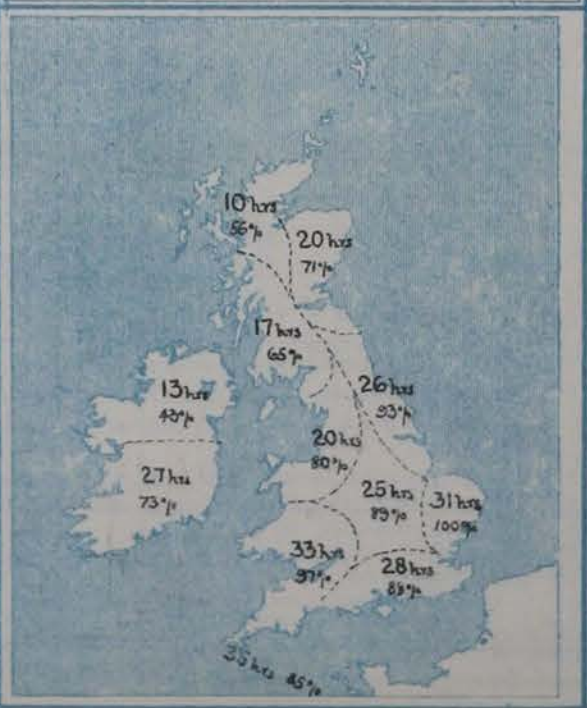

## III. BAROMETER AND WIND

*Yesterday morning.*




## IV. BRIGHT SUNSHINE IN 1904.

Total duration recorded in various districts of the United Kingdom in the 3 weeks ending Saturday 23rd Jan., with the percentage of the average duration.




## V. *Means of* DAILY TEMPERATURE

*at 8 A.M. for the Two monthly period*

JANUARY–FEBRUARY (1871–1900)

# GENERAL SITUATION AT 8 A.M.

**PRESSURE**

A new and deep depression which appeared off the Irish coasts yesterday is travelling northwards, its central area, with readings below 28·9 ins., being at present situated off the west of Scotland. In its rear, the barometer is rising at most of the English and Irish stations, but in all other parts of our area, a fall is in progress. An anticyclone, in which pressure exceeds 30·3 ins, is lying over south Germany and the southeast of France, and the barometric gradient is steep over northwestern Europe generally.

**WIND**

SW^ly winds are reported over the whole of the United Kingdom, and blow with the force of a gale on many parts of our western coasts, the gale being strong in the north of Ireland. At the Continental stations the wind is chiefly S^ly (with a gale at Stockholm and Skudenes) but in Germany and also in the west of Norway it is light from the E^wd. The slight veering of the wind to a more W^ly quarter has been accompanied by a rather general fall of temperature.

**TEMPERATURE**

The readings are, however, still above the average, especially over England, where the thermometer ranges (at all but the northern stations) between 46° and 49°. In the western parts of the Continent the thermometer has risen, but in Germany and the east of France, where anticyclonic conditions still hold, the frost is rather severe, the morning temperatures being as low as 7° at Munich, 19° at Frankfurt, and 21° at Berlin.

**WEATHER AND SEA**

Rain is falling in the south of England and the north of France, as well as at many of the Danish and Scandinavian stations. In the west and north of our Islands the weather has improved somewhat, but is still showery. The sea is rough or rather so on our western and southern coasts generally,- high at Blacksod Point, and very high at Skudesnæs.

During yesterday the thermometer rose to 50° and upwards in many parts of Great Britain, the highest reading reported being 55° at Southport. At most of our stations there was an entire absence of bright sunshine, the only appreciable amounts being in North Wales and the east of Scotland. Rain has fallen generally; thunder and lightning occurred yesterday in the west and south of Ireland, and lightning only, at Stornoway.

**PROBABLE CHANGES IN SYSTEM NOW PREVALENT**

The deep depression off our northwest coasts is likely to pass away in a NNE^ly direction, and in its rear, a temporary improvement in the weather is probable over England. Fresh disturbances may be expected to arrive off our western coasts in the course of the next 24 hours, and the general conditions are therefore likely to remain very unsettled.

# FORECASTS*

*For the 24 hours ending at NOON on* 29^th JANUARY, 1904

| DISTRICTS. | FORECASTS. |
|---|---|
| 0 SCOTLAND NORTH<br>1 SCOTLAND EAST | S.W.^ly to W.^ly winds, strong in places; changeable, showery. |
| 2 ENGLAND N.E. | S.W.^ly winds, strong; squally, showery. |
| 3 ENGLAND EAST<br>4 MIDLAND COUNTIES<br>5 ENGLAND SOUTH | S.W.^ly winds, strong in places; mild and rainy at first, afterwards becoming temporarily finer and cooler. |
| 6 SCOTLAND WEST<br>7 ENGLAND N.W. | S.W.^ly to W.^ly gales and strong winds; squally, showery. |
| 8 ENGLAND S.W<br>9 IRELAND NORTH<br>10 IRELAND SOUTH | W.^ly winds, backing later to the S.W. or S., strong to a gale in force; squally, showery. |
| WARNINGS | At 3.20 pm. yesterday to districts 2, 3 & 5, "Hoist South Cone." The signals are now flying in all districts excepting 1 and part of 0. |

*Note.*—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

# REPORTS FOR YESTERDAY.

| STATIONS. | Temperature F. Max. | Temperature F. Min. | Weather. | Sunshine. Hrs. | Rainfall. Ins. |
|---|---|---|---|---|---|
| Blackpool, to 9 p.m. ... ... | 52 | 46 | bc, c, or | 1·5 | 0·38 |
| Southport, to 9 p.m. ... ... | 55 | 47 | op, c, op, c | 1·7 | 0·33 |
| Rhyl, ... ... ... ... ... ... | * | * | * | 3·3 | * |
| Llandudno ... ... ... ... | * | * | * | 2·3 | * |
| Bettws-y-Coed, to 6 p.m. ... | 51 | 41 | bcq, or | 2·5 | * |
| Aberystwyth, to 6 p.m. ... | | | | | |
| Plymouth, to 9 p.m. ... ... | 51 | 48 | orq, oq | 0·0 | 0·73 |
| Bournemouth to 6 p.m. ... | * | * | * | 0·0 | * |
| Worthing ... ... ... ... | * | * | * | 0·0 | * |
| Brighton ... ... ... ... | 47 | * | * | 0·0 | * |
| Eastbourne, to 6 p.m. ... | 47 | * | * | 0·0 | * |

| STATIONS. | Temperature F. Max. | Temperature F. Min. | Weather. | Sunshine. Hrs. | Rainfall. Ins. |
|---|---|---|---|---|---|
| Hastings ... ... ... ... | * | * | * | 0·0 | * |
| Broadstairs... ... ... ... | * | * | * | | * |
| Margate ... ... ... ... | 47 | 38 | r, c | 0·0 | – |
| Lowestoft, to 6 p.m. ... ... | 43 | 40 | or | 0·0 | 0·03 |
| Skegness ... ... ... ... | * | * | * | 0·0 | * |
| Scarborough, to 6 p.m. ... | 52 | * | * | 0·0 | * |
| Harrogate, to 6 p.m. ... | 52 | 44 | or, c, o | 0·2 | 0·25 |
| Manchester, to 9 p.m. ... | 53 | 48 | ou, r, q | 0·0 | 0·16 |
| Darwen, to 9 p.m. ... .. | 49 | 43 | o, c, or | 0·0 | 0·50 |
| Birmingham, to 9 p.m. ... | 50 | 47 | r, o | 0·0 | 0·35 |

## TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

| STATIONS. 27th Jan. 1904 | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|
| | Observations not received. | | | |
| Copenhagen ... ... ... | | | | |
| Utrecht... ... ... ... ... | | | | |
| Groningen ... ... ... ... | | | | |
| Vienna ... ... ... ... ... | | | | |
| Marseilles ... ... ... ... | | | | |
| Florence ... ... ... ... | | | | |
| Rome ... ... ... ... ... | | | | |
| Naples ... ... ... ... ... | | | | |
| Palermo ... ... ... ... | | | | |
| Malta ... ... ... ... ... | | | | |

| STATIONS. | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|
| Algiers ... ... ... ... | | * | | |
| Tunis ... ... ... ... | | * | | |
| Madeira (Funchal) ... ... | | * | | |
| 26th Jan. 1904 | 1 p.m. | * | 1 p.m. | Measured 7 a.m. |
| Geneva ... ... ... ... | 28 | * | f | – |
| Berne ... ... ... ... | 23 | * | m | – |
| Coire ... ... ... ... | 30 | * | b | – |
| Castasegna ... ... ... | 36 | * | bc | – |
| Lugano ... ... ... ... | 41 | * | bc | – |
| Davos ... ... .. ... | 28 | * | b | – |

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

| COUNTRIES, &c. | Hours of Morning Observations by Local Standard Time. | Corresponding Greenwich Times. | Hours of Evening Observations by Local Standard. | Corresponding Greenwich Times. |
|---|---|---|---|---|
| British Isles, Belgium† ... | 8 a.m. (West European) | 8 a.m. | 6 p.m.‡ (W.E.T.) | 6 p.m.‡ |
| Holland ... ... ... ... ... | 8 a.m. ( „ „ ) | 8 a.m. | 7 p.m. (W.E.T.) | 7 p.m. |
| Germany, Denmark, Norway, Sweden | 8 a.m. (Mid-European) | 7 a.m. | 8 p.m. (M.E.T.) | 7 p.m. |
| France ... ... ... ... ... | 7 a.m. (Paris) ... ... | 6.51 a.m. | 6 p.m. (Paris) | 5.51 p.m. |
| Spain ... ... ... ... ... | 8 a.m. (West European) | 8 a.m. | 6 p.m. (W.E.T.) | 6 p.m. |
| Portugal ... ... ... ... ... | 8 a.m. (Lisbon) ... ... | 8.36 a.m. | 3.23 p.m. (Lisbon) | 4 p.m. |
| Azores: Ponta Delgada ... ... | 6 a.m. (Local) ... ... | 7.43 a.m. | 9 p.m. (Local) | 10.43 p.m. |
| Azores: Horta ... ... ... | 6 a.m. (Local) ... ... | 7.55 a.m. | 9 p.m. (Local) | 10.55 p.m. |

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

| 28th Jan. 1904. | Sunrise G.M.T. | Noon G.M.T. | Sunset G.M.T. |
|---|---|---|---|
| Yarmouth ... ... ... | 7·44 | 12·6 | 4·28 |
| Greenwich ... ... ... | 7·47 | 12·13 | 4·39 |
| Wick ... ... ... ... | 8·30 | 12·25 | 4·19 |
| Valencia ... ... ... | 8·30 | 12·54 | 5·18 |

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† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

# DAILY WEATHER REPORT

*for 8 a.m. on* Friday, 29th January, **1904.**

*Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London.* **W. N. SHAW,** *Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins. | Temp. Dry Bulb. ° | Wind. Direc. | Wind. Force (0 to 12.) | Weather | THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins. | Barometer. Change since Yesterday. Ins. | Temperature. Dry Bulb. ° | Temperature. Wet Bulb. ° | Temperature. Change since Yesterday. ° | Wind. Direc. | Wind. Force (0 to 12.) | Weather. | Sea (0 to 9.) | PAST 24 HOURS. Temp. Max. ° | Temp. Min. ° | Weather | Sunshine Hours | Rainfall Ins. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SCANDINAVIA | Haparanda... ... | 29.57 | 34 | WSW | 4 | 0 | 29.57 | -.12 | 34 | 33 | +1 | SW | 4 | 0 | * | 37 | 27 | – | * | – |
| | Hernösand ... ... | 29.71 | 36 | SW | 2 | 0 | 29.65 | -.14 | 36 | 35 | +2 | SW | 4 | 0 | * | 37 | 30 | – | * | – |
| | Stockholm ... ... | 29.99 | 37 | SW | 6 | r | 29.89 | -.16 | 35 | 33 | +2 | S | 6 | 0 | * | 39 | 33 | – | * | 0.08 |
| | Wisby... ... ... | 30.11 | 33 | S | 4 | 8 | 29.97 | -.20 | 31 | 30 | -1 | SSE | 4 | 8c | * | 37 | 31 | – | * | – |
| | Karlstad ... ... | 29.83 | 37 | SW | 4 | r | 29.74 | -.16 | 34 | 33 | -1 | SW | 2 | r | * | * | * | – | * | 0.32 |
| | Færder (X'iania Fjord) | 29.71 | 40 | S | 6 | r | 29.67 | -.07 | 39 | 39 | +1 | S | 4 | r | 4 | 40 | 36 | – | * | 0.63 |
| | Bodö ... ... ... | 29.19 | 45 | SSW | 6 | r | 29.23 | -.17 | 42 | 38 | +8 | S | 2 | 8c | 1 | 45 | 32 | – | | 0.20 |
| | Christiansund ... | 29.23 | 49 | SSW | 4 | 8 | 29.28 | +.02 | 46 | 39 | +2 | SW | 4 | 8 | 4 | 49 | 43 | – | | – |
| | Skudesnaes ... | 29.12 | 41 | S | 8 | 0 | 29.58 | +.13 | 41 | 40 | -1 | SSW | 6 | c | 5 | 43 | 39 | o,r | | * |
| BRITISH ISLANDS | Sumburgh Head | 28.99 | 44 | S | 6 | 0 | 29.39 | +.44 | 39 | 36 | -5 | W | 6 | 8c | 6 | 44 | 37 | c,o | * | 0.12 |
| | Stornoway ... ... | 28.97 | 43 | W | 4 | 0 | 29.44 | +.56 | 36 | 34 | -7 | WNW | 3 | 8 | 3 | 44 | 34 | rg,c,o | 0.3 | 0.57 |
| | Malin Head ... | 29.31 | 42 | W | 7 | 8chg | 29.51 | +.67 | 35 | 34 | -8 | S | 7 | 8crhg | 5 | 44 | 32 | 8c,hg | * | 0.20 |
| | Blacksod Pt. ... | 29.51 | 40 | WNW | 6 | chg | 29.46 | +.41 | 44 | 41 | -1 | SSW | 7 | c | 6 | 46 | 38 | chg | * | 0.14 |
| | Valencia ... ... | 29.67 | 43 | WSW | 5 | c | 29.62 | +.25 | 43 | 40 | -1 | SSE | 6 | ou | 6 | 47 | 37 | cm,c | 2.4 | 0.08 |
| | Roche's Point ... | 29.67 | 43 | WSW | 3 | c | 29.76 | +.35 | 45 | 42 | -1 | SSW | 5 | c | 4 | 47 | 37 | 8c,c,8 | * | 0.02 |
| | Parsonstown ... | 29.59 | 40 | W | 4 | r | 29.70 | +.40 | 33 | 32 | -10 | SE | 2 | 8 | * | 45 | 31 | cp,r | 3.8 | 0.05 |
| | Donaghadee ... | 29.44 | 42 | W | 4 | 8g | 29.72 | +.53 | 35 | 34 | -9 | WSW | 3 | 8 | 3 | 46 | 32 | – | * | – |
| | Liverpool Obsy... | 29.59 | 44 | SSW | 3 | 8c | 29.85 | +.36 | 37 | 34 | -7 | SW | 2 | 8 | 2 | 49 | 36 | 8c | * | – |
| | Holyhead ... ... | 29.56 | 44 | W | 3 | 8 | 29.80 | +.43 | 40 | 37 | -7 | WSW | 3 | 8 | 2 | 48 | 37 | cm,8 | * | – |
| | Pembroke (St Ann's) | 29.66 | 46 | WSW | 6 | 8c | 29.88 | +.37 | 43 | 40 | -4 | SSW | 5 | 8c | 5 | 48 | 42 | – | 3.6 | – |
| | Scilly (St. Mary's) ... | 29.71 | 48 | WNW | 4 | cp | 29.95 | +.39 | 44 | 41 | -5 | WSW | 4 | 8c | 6 | 51 | 41 | c,cp | 2.8 | 0.04 |
| | Jersey (St. Aubins) ... | 29.84 | 47 | WSW | 5 | rm | 30.11 | +.32 | 42 | 41 | -6 | WSW | 3 | 8 | 3 | 49 | 41 | rm,gp | 0.0 | 0.57 |
| | Portland Bill ... | 29.73 | 46 | SW | 4 | op | 30.01 | +.32 | 43 | 41 | -3 | W | 4 | 8c | 3 | 48 | 42 | op | * | 0.18 |
| | Dungeness ... ... | 29.76 | 46 | SSW | 5 | rg | 30.04 | +.23 | 42 | 41 | -4 | WSW | 3 | 8c | 3 | 46 | 40 | r,rg | 0.0 | 0.30 |
| | Wick ... ... ... | 29.03 | 44 | SW | 6 | 8c | 29.49 | +.52 | 37 | 35 | -6 | NW | 3 | 8c | 3 | 45 | 35 | – | * | 0.02 |
| | Nairn ... ... ... | 29.09 | 42 | WSW | 4 | 8c | 29.53 | +.55 | 33 | 32 | -6 | SW | 1 | 8 | 1 | 45 | 32 | – | * | 0.19 |
| | Aberdeen ... ... | 29.24 | 43 | SSW | 6 | 8g | 29.62 | +.46 | 35 | 33 | -7 | SSW | 3 | 8m | 3 | 46 | 35 | p,8g | 1.6 | 0.03 |
| | Leith ... ... ... | 29.32 | 45 | SW | 4 | 8 | 29.67 | +.48 | 37 | 35 | -9 | WSW | 3 | 8 | * | 49 | 36 | – | * | – |
| | North Shields ... | 29.45 | 45 | SSW | 3 | c | 29.76 | +.36 | 37 | 36 | -7 | SSW | 2 | 8cm | 2 | 49 | 37 | c | * | – |
| | Spurn Head .. | 29.61 | 44 | S | 4 | 0 | 29.86 | +.30 | 38 | 37 | -9 | WSW | 4 | 8c | 3 | 48 | 36 | – | * | 0.02 |
| | Yarmouth ... ... | 29.70 | 46 | SSW | 4 | 0g | 29.92 | +.22 | 37 | 36 | -10 | SW | 3 | 8cf | 3 | 48 | 36 | or,og | * | 0.14 |
| | Clacton-on-Sea ... | 29.74 | 42 | S | 3 | 0 | †29.95 | +.20 | 38 | 37 | -6 | SW | 2 | 8 | 2 | †44 | 36 | org,o,c | 0.0 | 0.15 |
| | Nottingham ... | 29.63 | 46 | SW | 2 | 0 | 29.91 | +.34 | 36 | 35 | -12 | W | 1 | 8 | * | 49 | 34 | c,o | 0.5 | 0.01 |
| | Bath ... ... ... | 29.69 | 43 | SW | 2 | 0 | 29.97 | +.41 | 39 | 38 | -8 | SW | 1 | 8f | * | 49 | 33 | – | 0.0 | 0.08 |
| | Oxford ... ... | 29.74 | 44 | SSW | 2 | 0 | 30.00 | +.34 | 37 | 36 | -12 | SW | 2 | 8 | * | 49 | 37 | p,o,8 | * | 0.18 |
| | London (Brixton) ... | 29.73 | 45 | WSW | 3 | 0 | 29.99 | +.29 | 37 | 36 | -10 | SW | 1 | 8m | * | 49 | 36 | ogr,8 | 0.0 | 0.28 |
| GERMANY, &c. | The Scaw (Skagen) | 29.81 | 39 | SSW | 5 | r | 29.75 | -.09 | 36 | 36 | -2 | SW | 4 | r | 1 | 39 | 36 | – | * | 0.28 |
| | Fanö ... ... ... | 29.86 | 38 | S | 2 | 0 | 29.85 | -.05 | 39 | 38 | +1 | SW | 2 | 0 | * | 39 | 36 | – | * | 0.12 |
| | Cuxhaven ... ... | 29.98 | 37 | S | 5 | 0 | 29.95 | -.07 | 38 | 37 | +1 | SW | 3 | odp | * | 43 | 36 | – | * | 0.08 |
| | The Helder ... | 29.84 | 39 | SSW | 3 | r | 29.93 | +.09 | 40 | 40 | -5 | SW | 2 | 8 | 2 | 46 | 37 | – | * | 0.16 |
| | Brussels ... ... | * | * | * | * | * | 30.10 | +.10 | 41 | 40 | +1 | SW | 2 | 0 | * | 45 | 38 | – | * | 0.08 |
| | Berlin ... ... ... | 30.18 | 28 | S | 3 | 8 | 30.10 | -.16 | 30 | 28 | +9 | SSW | 3 | 0 | * | 34 | 21 | – | * | – |
| | Frankfürt ... ... | 30.19 | 29 | W | 1 | 0 | 30.21 | -.10 | 31 | 30 | +12 | SW | 1 | r | * | 34 | 19 | – | * | – |
| | Munich ... ... | 30.25 | 14 | E | 4 | 8 | 30.26 | -.06 | 17 | 17 | +10 | SE | 2 | 8c | * | 23 | 7 | – | * | – |
| FRANCE. | C. Gris Nez ... | 29.78 | 44 | SSW | 6 | r | 30.02 | +.18 | 42 | 42 | -3 | WSW | 4 | 8 | 4 | 46 | 41 | – | * | 0.43 |
| | Brest ... ... ... | 29.84 | 46 | NW | 2 | c | 30.08 | +.34 | 45 | 41 | -3 | NW | 3 | 8 | 5 | 50 | 43 | – | * | 0.16 |
| | Lorient ... ... | 29.87 | 49 | W | 3 | c | 30.13 | +.35 | 45 | 45 | -6 | WSW | 3 | 8 | 5 | 54 | 43 | – | * | 0.16 |
| | Rochefort ... ... | 30.00 | 49 | S | 3 | r | 30.17 | +.20 | 47 | 46 | +4 | WNW | 3 | 0 | * | 49 | 43 | c,r | * | 0.08 |
| | Biarritz ... ... | 30.09 | 57 | SW | 4 | 0 | 30.32 | +.28 | 48 | 48 | -7 | WSW | 3 | r | 5 | 61 | 45 | – | * | 0.16 |
| | Paris ... ... ... | 29.96 | 45 | SSW | 3 | 0 | 30.14 | +.10 | 41 | 41 | 0 | SSW | 3 | 0 | * | ? | 41 | – | * | – |
| | Belfort... ... ... | 30.15 | 33 | E | 2 | m | 30.24 | -.07 | 39 | 36 | +17 | W | 2 | 0 | * | 42 | 22 | – | * | – |
| | Lyons ... ... ... | 30.23 | 49 | S | 3 | 0 | 30.32 | +.02 | 45 | 41 | +20 | S | 1 | 0 | * | 51 | 25 | – | * | – |
| | Nice ... ... ... | 30.34 | 45 | N | 0 | 8c | 30.36 | | 41 | 36 | | E | 1 | c | 0 | 55 | 39 | – | * | – |
| | Perpignan ... ... | 30.11 | 50 | SE | 2 | 8 | 30.25 | +.05 | 41 | 40 | +5 | SW | 1 | 0 | * | 62 | 36 | – | * | – |
| SPAN. PEN. | Corunna ... ... | | | | | | | | | | | | | | | | | | * | |
| | Lisbon ... ... | | | | | | | | | | | | | | * | | | | * | |
| | Azores (P. Delgada)... | 30.45 | 55 | WSW | 4 | c | 30.30 | -.12 | 59 | 54 | +9 | WSW | 5 | c | 5 | 59 | 45 | – | * | – |
| | ,, (Horta) ... | 30.02 | 57 | SW | 5 | 0 | 30.26 | -.21 | 60 | 56 | +8 | SW | 5 | 0 | 2 | 60 | 52 | – | * | – |

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

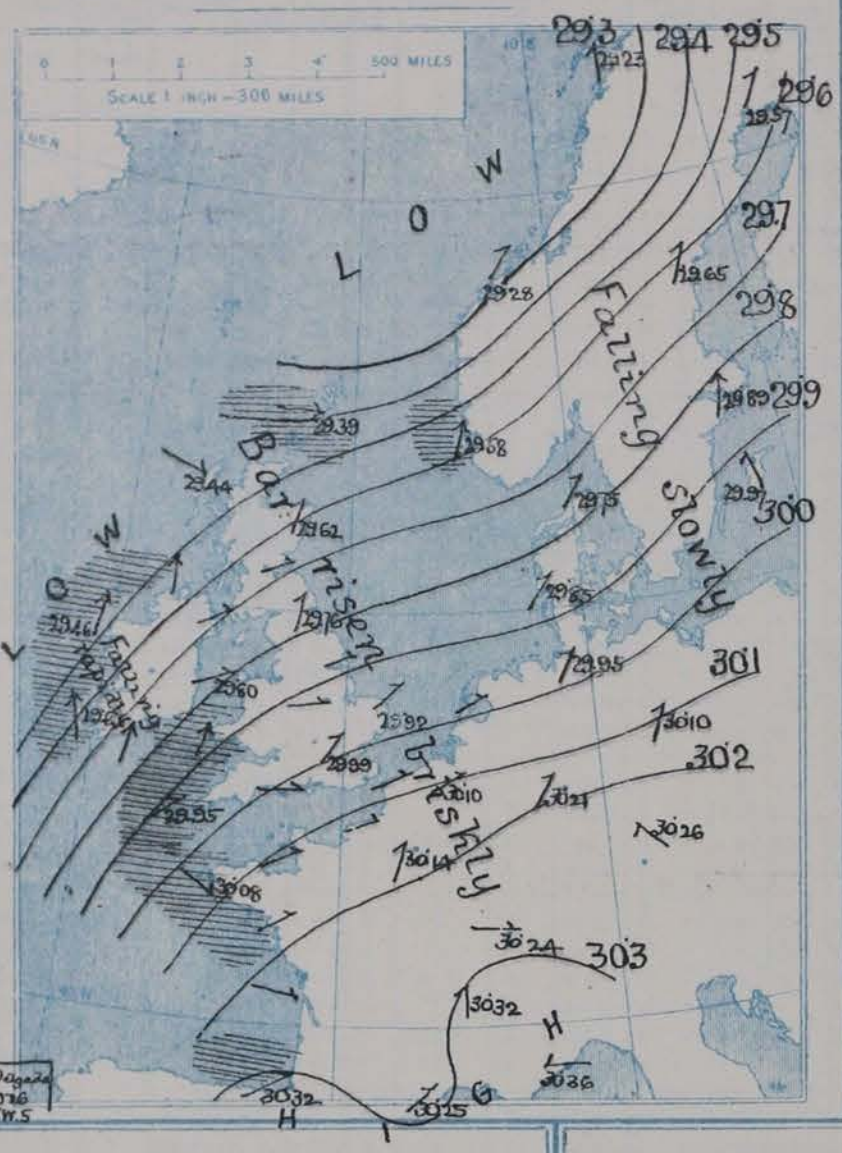
† *Observations received too late for insertion in Charts on next page.*

# WEATHER CHARTS

FOR Friday, 29th January, 1904.

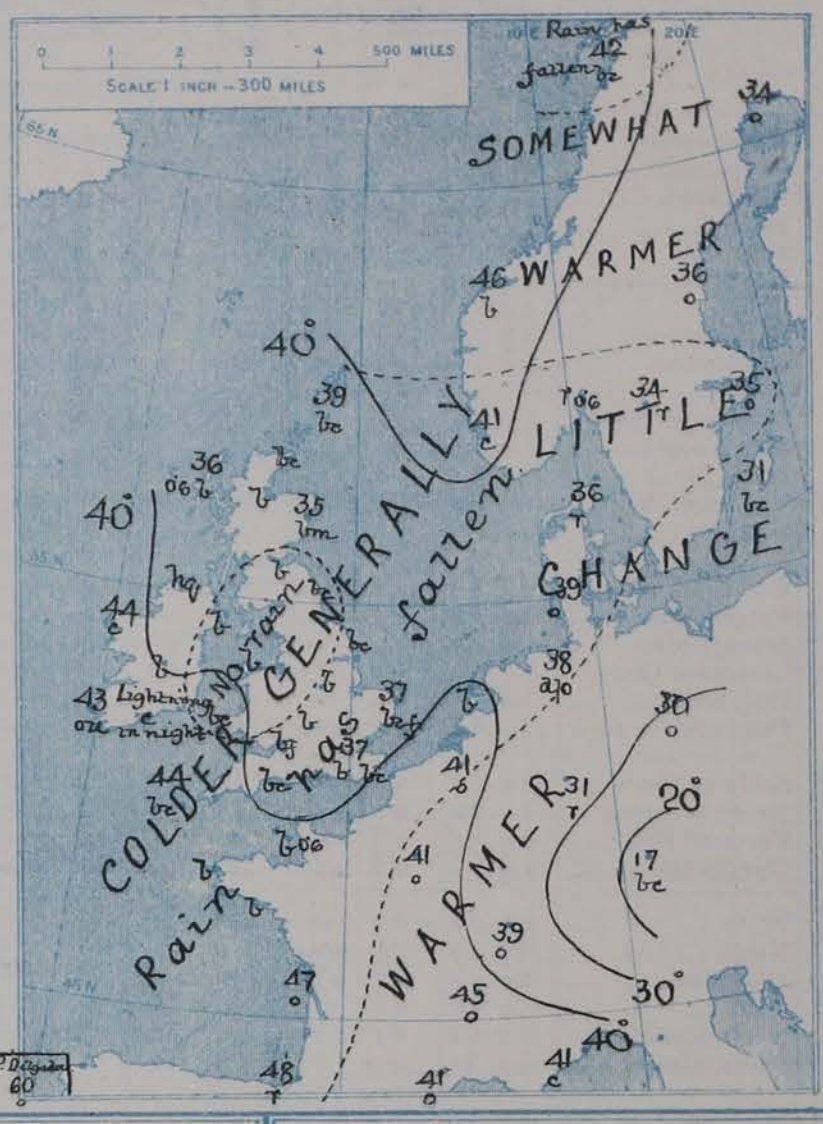
## I. BAROMETER, WIND AND SEA. *This Morning.*

*BAROMETER.—Isobars are drawn for each tenth of an inch.*
*WIND.—Arrows show Directions and Force, flying with the wind.*
*Force above 10* ; *Force 8 to 10* ; *Force 5 to 7* ; *Force 1 to 4* ; Calm
*SEA—Rough* ; *High*



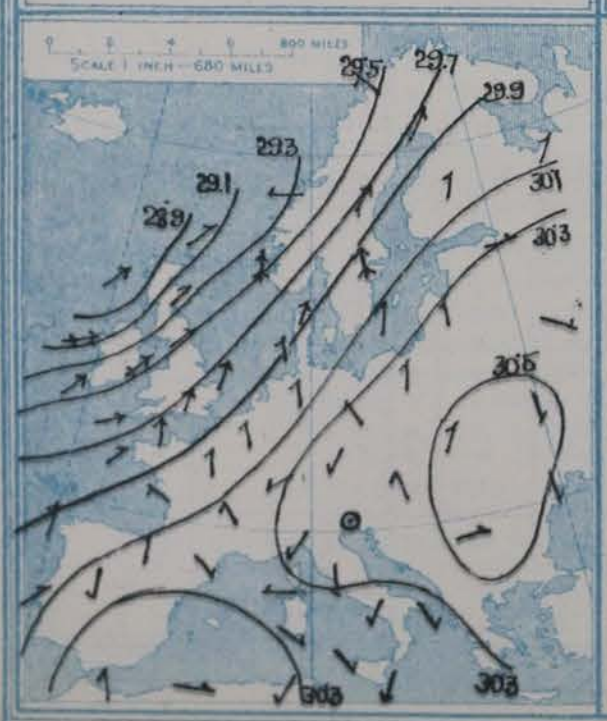

## II. TEMPERATURE AND WEATHER. *This Morning.*

*TEMPERATURE.—Isotherms are drawn for each 10°.*
*WEATHER.—Shown by Letters of the Beaufort Scale.* *(See P. 4.)*
*RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus - 0·6*

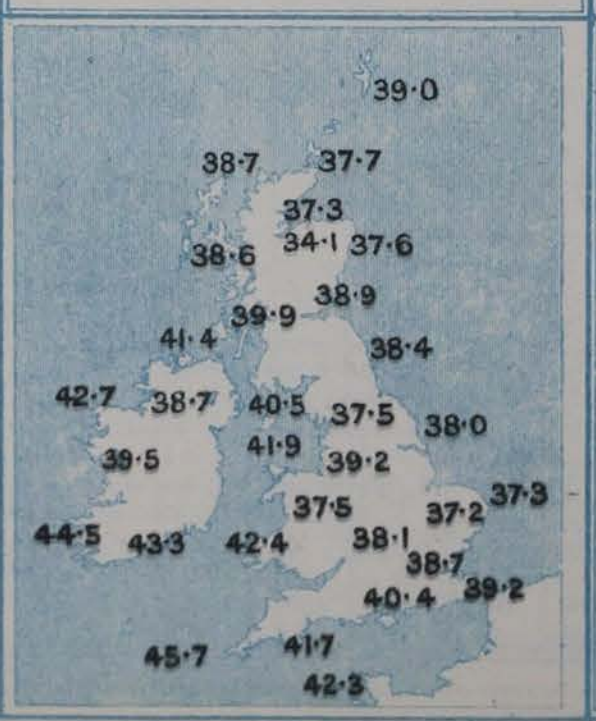



## III. BAROMETER AND WIND

*Yesterday morning.*




## IV. *Averages of* DAILY MAXIMUM *and* MINIMUM TEMPERATURES *combined for the month of* JANUARY. *(1871-1900.)*



## V. *Means of* DAILY TEMPERATURE *at 8 A.M. for the Two monthly period* JANUARY-FEBRUARY *(1871-1900)*

# GENERAL SITUATION AT 8 A.M.

**PRESSURE**

The general conditions remain very unsettled. The depression which lay off the west of Scotland yesterday morning has travelled away to the northeastward, the lowest pressures, 29·3 ins. and less, being now reported in the west of Norway. A fresh disturbance is however, approaching our western coasts, and a rapid fall of the barometer has already commenced in the west of Ireland. In most other parts of western Europe the mercury is rising, but in Sweden, Denmark and north Germany, it is falling slowly. Gradients are increasing again in the west.

**WIND**

Under the influence of the new disturbance the wind has backed to the S^wd again in Ireland, and has increased to a moderate gale at Malin Head and Blacksod Point. In other parts of our area it is light to moderate from the SW^wd but at some of the Scandinavian stations it draws into South, while in the west of France it is light from W or NW.

**TEMPERATURE**

The weather is at present fine over nearly the whole of the United Kingdom, and temperature has fallen decidedly, the readings being now, as a rule, a trifle below the average. At all but our west and south coast stations the thermometer is below 40°, the lowest value reported being 33° at Nairn and Parsonstown.

**WEATHER AND SEA**

In the western parts of the Continent the sky is overcast, with rain in several places, and in France and Germany the thermometer has risen, frost being now confined to the latter country. At Munich the morning temperature is only 17°. The sea is rough on our extreme southwestern, western and northern coasts, and rather rough in the Bay of Biscay, but is slight or smooth elsewhere.

The maximum temperatures registered in these Islands yesterday were lower than those of the previous day, Scilly being the only station at which the thermometer touched 50°. No bright sunshine was recorded in the eastern and southern districts; at many places in the west and north the duration exceeded 3 hours, and at Rhyl and Llandudno it exceeded 4 hours. Rain fell generally, excepting in Wales and the north of England, and lightning was seen at Roche's Point at night.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The new disturbance which is approaching our western coasts, is likely to occasion a considerable increase of wind from S, veering to SW and W, on all coasts, with rainy weather and a temporary rise of the thermometer. The centre of the depression will probably move in a NE^ly direction.

# FORECASTS*

*For the 24 hours ending at NOON on* 30^th JANUARY, 1904

| DISTRICTS. | FORECASTS. |
|---|---|
| 0 SCOTLAND NORTH<br>1 SCOTLAND EAST<br>2 ENGLAND N.E. | Wind backing to the S^wd and increasing in force; fine at first then squally and rainy. |
| 3 ENGLAND EAST<br>4 MIDLAND COUNTIES<br>5 ENGLAND SOUTH | SW^ly winds, increasing in force; fine and cool today, becoming mild and rainy by tonight or tomorrow. |
| 6 SCOTLAND WEST<br>7 ENGLAND N.W.<br>8 ENGLAND S.W<br>9 IRELAND NORTH<br>10 IRELAND SOUTH | S^ly to SW^ly or W^ly winds, increasing to a gale; weather becoming squally and rainy. |
| WARNINGS | At 9.30 am. to-day to districts 6 to 10 and part of 0, "Hoist South Cone". The signals are now flying on all coasts. |

*Note.*—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

# REPORTS FOR YESTERDAY.

| STATIONS. | Temperature F. Max. | Temperature F. Min. | Weather. | Sunshine. Hrs. | Rainfall. Ins. |
|---|---|---|---|---|---|
| Blackpool, to 9 p.m. ... ... | 49 | 42 | bc, b, c | 3·6 | 0·16 |
| Southport, to 9 p.m. ... ... | 50 | 41 | or, c, b | 3·1 | 0·07 |
| Rhyl, ... ... ... ... ... | * | * | * | 4·2 | * |
| Llandudno ... ... ... ... | * | * | * | 4·4 | * |
| Bettws-y-Coed, to 6 p.m. ... | 50 | 43 | cp, b | 2·2 | * |
| Aberystwyth, to 6 p.m. ... | 51 | 43 | r, c | 2·0 | 0·14 |
| Plymouth, to 9 p.m. ... ... | 51 | 42 | bcgphr, b | 0·0 | 0·09 |
| Bournemouth to 6 p.m. ... | * | * | * | 0·0 | * |
| Worthing ... ... ... ... | * | * | * | 0·0 | * |
| Brighton ... ... ... ... | 49 | * | * | 0·0 | * |
| Eastbourne, to 6 p.m. ... | 48 | * | * | 0·0 | * |

| STATIONS. | Temperature F. Max. | Temperature F. Min. | Weather. | Sunshine. Hrs. | Rainfall. Ins. |
|---|---|---|---|---|---|
| Hastings ... ... ... ... | * | * | * | 0·0 | * |
| Broadstairs... ... ... ... | * | * | * | | * |
| Margate ... ... ... ... | 47 | 44 | r | 0·0 | 0·09 |
| Lowestoft, to 6 p.m. ... ... | 47 | 41 | or | 0·0 | 0·16 |
| Skegness ... ... ... ... | * | * | * | 0·0 | * |
| Scarborough, to 6 p.m. ... | 52 | * | * | 0·0 | * |
| Harrogate, to 6 p.m. ... | 51 | 44 | or, c, bc | 3·3 | 0·17 |
| Manchester, to 9 p.m. ... | 53 | 39 | q, bc, b, p | 3·5 | 0·05 |
| Darwen, to 9 p.m. ... .. | 47 | 38 | r, c, cv | 1·5 | 0·05 |
| Birmingham, to 9 p.m. ... | 51 | 39 | r, o, c | 0·6 | 0·21 |

## TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

| STATIONS. 28th Jany 1904 | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|
| Copenhagen ... ... ... | 37 | 30 | b, m | – |
| Utrecht... ... ... ... ... | 43 | 30 | o, r | – |
| Groningen ... ... ... ... | 41 | 28 | o, o | – |
| Vienna ... ... ... ... ... | 36 | 25 | o, o | – |
| Marseilles ... ... ... ... | 55 | 37 | b, b | – |
| Florence ... ... ... ... | 52 | 32 | b, b | – |
| Rome ... ... ... ... ... | 57 | 37 | b, b | – |
| Naples ... ... ... ... ... | 53 | 44 | b, b | – |
| Palermo ... ... ... ... | 59 | 48 | o, o | 0·71 |
| Malta ... ... ... ... ... | 55 | 48 | r | 0·67 |

| STATIONS. | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|
| Algiers ... ... ... ... | 61 | 48 | b, b | – |
| Tunis ... ... ... ... | 61 | 41 | b, o | – |
| Madeira (Funchal) ... ... | Not | recd | | |
| 27th January 1904 | 1 p.m. | | 1 p.m. | Measured 7 a.m. |
| Geneva ... ... ... ... | 30 | * | m | – |
| Berne ... ... ... ... | 41 | * | f | – |
| Coire ... ... ... ... | 37 | * | b | – |
| Castasegna ... ... ... | 37 | * | b | – |
| Lugano ... ... ... ... | 41 | * | b | – |
| Davos ... ... .. ... | 28 | * | b | – |

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

### TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

| COUNTRIES, &c. | Hours of Morning Observations by Local Standard Time. | Corresponding Greenwich Times. | Hours of Evening Observations by Local Standard. | Corresponding Greenwich Times. |
|---|---|---|---|---|
| British Isles, Belgium† ... | 8 a.m. (West European) | 8 a.m. | 6 p.m.‡ (W.B.T.) | 6 p.m.‡ |
| Holland ... ... ... ... ... | 8 a.m. ( " " ) | 8 a.m. | 7 p.m. (W.E.T.) | 7 p.m. |
| Germany, Denmark, Norway, Sweden | 8 a.m. (Mid-European) | 7 a.m. | 8 p.m. (M.E.T.) | 7 p.m. |
| France ... ... ... ... ... | 7 a.m. (Paris) ... ... | 6.51 a.m. | 6 p.m. (Paris) | 5.51 p.m. |
| Spain ... ... ... ... ... | 8 a.m. (West European) | 8 a.m. | 6 p.m. (W.E.T.) | 6 p.m. |
| Portugal ... ... ... ... ... | 8 a.m. (Lisbon) ... ... | 8.36 a.m. | 3.23 p.m. (Lisbon) | 4 p.m. |
| Azores { Ponta Delgada ... ... | 6 a.m. (Local) ... ... | 7.43 a.m. | 9 p.m. (Local) | 10.43 p.m. |
| Azores { Horta ... ... ... | 6 a.m. (Local) ... ... | 7.55 a.m. | 9 p.m. (Local) | 10.55 p.m. |

### TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

| 29th Jany 1904 | Sunrise G.M.T. | Noon G.M.T. | Sunset G.M.T. |
|---|---|---|---|
| Yarmouth ... ... ... | 7·42 | 12·6 | 4·30 |
| Greenwich ... ... ... | 7·46 | 12·13 | 4·41 |
| Wick ... ... ... ... | 8·28 | 12·25 | 4·22 |
| Valencia ... ... ... | 8·28 | 12·54 | 5·20 |

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† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

# DAILY WEATHER REPORT

*for 8 a.m. on* Saturday, 30th January, **1904.**

*Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London.* **W. N. SHAW.** *Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins. | Temp. Dry Bulb. ° | Wind. Direc. | Force (0 to 12.) | Weather | THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins. | Change since Yesterday. Ins. | Temperature. Dry Bulb. ° | Wet Bulb. ° | Change since Yesterday. ° | Wind. Direc. | Force (0 to 12.) | Weather. | Sea (0 to 9.) | PAST 24 HOURS. Temp. Max. ° | Min. ° | Weather | Sunshine Hours | Rainfall Ins |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SCANDINAVIA | Haparanda... ... | 29.59 | 32 | S | 6 | S | 29.76 | + .19 | 32 | 31 | − 2 | S | 2 | c | * | 37 | 30 | - | * | 0.08 |
| | Hernösand ... ... | 29.72 | 34 | N | 0 | b | 29.95 | + .30 | 30 | 28 | − 6 | N | 0 | r | * | 39 | 30 | - | * | - |
| | Stockholm ... ... | 29.92 | 36 | W | 2 | 0 | 30.04 | + .15 | 36 | 34 | + 1 | W | 2 | 0 | * | 37 | 30 | - | * | 0.04 |
| | Wisby... ... ... | 30.00 | 36 | SSW | 4 | 0 | 30.08 | + .11 | 37 | 36 | + 6 | WNW | 2 | 0 | * | 37 | 30 | - | * | 0.08 |
| | Karlstad ... ... | 29.90 | 36 | SSW | 2 | b | 30.05 | + .31 | 34 | 34 | 0 | SSW | 2 | c | * | * | * | b,s | * | 0.12 |
| | Færder (X'iania Fjord) | 29.86 | 38 | WSW | 4 | b | 29.97 | + .30 | 38 | 36 | − 1 | S | 4 | 0 | 3 | 39 | 36 | - | * | 0.12 |
| | Bodö ... ... ... | 29.39 | 39 | S | 2 | 0 | 29.72 | + .49 | 33 | 32 | − 9 | E | 2 | b | 2 | 43 | 32 | - | * | - |
| | Christiansund ... | 29.60 | 39 | SW | 3 | bc | 29.55 | + .27 | 38 | 33 | − 8 | SE | 4 | 0 | 3 | 46 | 36 | - | * | 0.04 |
| | Skudesnaes ... | 29.81 | 39 | S | 6 | b | 29.67 | + .09 | 41 | 39 | 0 | SSE | 9 | 0 | 6 | 41 | 37 | c,b | * | * |
| BRITISH ISLANDS | Sumburgh Head | 29.41 | 40 | S | 5 | bc | 29.06 | − .33 | 44 | 40 | + 5 | S | 7 | c | 7 | 44 | 39 | bc,r | * | 0.23 |
| | Stornoway ... ... | 29.09 | 45 | SSW | 8 | 0 | 28.82 | − .62 | 43 | 41 | + 7 | SW | 7 | bc | 8 | 45 | 35 | c,hgl | 0.0 | 0.47 |
| | Malin Head ... | 28.91 | 40 | SSW | 9 | og | 28.96 | − .55 | 40 | 39 | + 5 | S | 7 | cg | 5 | 41 | 35 | c,og | * | 0.06 |
| | Blacksod Pt. ... | 28.92 | 43 | SW | 9 | rgm | 29.00 | − .46 | 45 | 35 | + 1 | SW | 8 | cg | 6 | 45 | 41 | rg,bl | * | 1.19 |
| | Valencia ... ... | 29.12 | 47 | SSW | 6 | og | 29.17 | − .45 | 40 | 37 | − 3 | SSE | 3 | c | 6 | 48 | 40 | rh,og,b | 0.0 | 0.69 |
| | Roche's Point ... | 29.23 | 48 | SW | 7 | r | 29.26 | − .50 | 45 | 42 | 0 | WSW | 3 | bc | 3 | 48 | 43 | r | * | 0.64 |
| | Parsonstown ... | 29.17 | 44 | SE | 8 | r | 29.21 | − .49 | 40 | 37 | + 7 | SE | 3 | bc | * | 46 | 33 | org | 0.0 | 0.12 |
| | Donaghadee ... | 29.37 | 43 | SSW | 7 | rggm | 29.22 | − .50 | 43 | 40 | + 8 | WSW | 4 | bc | 4 | 44 | 34 | - | * | 0.26 |
| | Liverpool Obsy... | 29.63 | 43 | SSE | 3 | 0 | 29.38 | − .47 | 43 | 41 | + 6 | SSE | 3 | c | 3 | 46 | 36 | bc,op | * | 0.02 |
| | Holyhead ... ... | 29.49 | 44 | S | 8 | rggm | 29.31 | − .49 | 45 | 43 | + 5 | S | 5 | c | 4 | 45 | 37 | ogpm | * | 0.41 |
| | Pembroke (St Ann's) | 29.54 | 45 | SSW | 8 | 0 | 29.35 | − .53 | 46 | 45 | + 3 | SSW | 7 | cgum | 6 | 48 | ?43 | c,gpm | 1.7 | 0.25 |
| | Scilly (St. Mary's) ... | 29.51 | 48 | S | 8 | og | 29.41 | − .54 | 48 | 46 | + 4 | SSW | 5 | c | 7 | 50 | 41 | op,og | 3.1 | 0.17 |
| | Jersey (St. Aubins) ... | 30.01 | 47 | SSW | 5 | bcm | 29.66 | − .45 | 46 | 45 | + 4 | SE | 7 | cm | 5 | 50 | 42 | bc,gm | 7.1 | 0.01 |
| | Portland Bill ... | 29.88 | 46 | SSW | 5 | c | 29.52 | − .49 | 46 | 45 | + 3 | SSW | 6 | r | 5 | 47 | 43 | bc,c | * | 0.02 |
| | Dungeness ... ... | 30.00 | 45 | WSW | 3 | c | 29.74 | − .30 | 45 | 43 | + 3 | SSW | 7 | c | 6 | 47 | 40 | bc,c | 5.0 | 0.10 |
| | Wick ... ... ... | 29.31 | 44 | ? | 4 | b | 29.03 | − .46 | 44 | 42 | + 7 | ? | 6 | b | 3 | 45 | 37 | - | * | - |
| | Nairn ... ... ... | 29.31 | 42 | SW | 9 | 0 | 29.03 | − .50 | 41 | 40 | + 8 | SSW | 5 | bc | 3 | 43 | 37 | - | * | 0.03 |
| | Aberdeen ... ... | 29.47 | 41 | SSE | 6 | cg | 29.22 | − .40 | 43 | 41 | + 8 | SSE | 4 | b | 4 | 43 | 34 | c,cg | 1.5 | 0.08 |
| | Leith ... ... ... | 29.50 | 42 | WSW | 2 | b | 29.22 | − .45 | 44 | 41 | + 7 | SW | 4 | bc | * | 46 | 32 | b,r | * | 0.06 |
| | North Shields ... | 29.65 | 41 | SW | 4 | cm | 29.35 | − .41 | 45 | 44 | + 8 | S | 5 | c | 2 | 45 | 36 | cm,o | * | 0.03 |
| | Spurn Head .. | 29.80 | 42 | S | 4 | b | 29.49 | − .37 | 43 | 43 | + 5 | S | 7 | 0 | 4 | 47 | ?38 | - | * | - |
| | Yarmouth ... ... | 29.92 | 41 | SSW | 4 | b | 29.68 | − .24 | 43 | 41 | + 6 | S | 6 | og | 5 | 45 | 36 | bc,c | * | - |
| | Clacton-on-Sea ... | 29.98 | 41 | SSW | 4 | b | 29.69 | − .26 | 42 | 41 | + 4 | S | 7 | r | 5 | 44 | 38 | - | 7.7 | 0.01 |
| | Nottingham ... | 29.79 | 41 | S | 2 | c | 29.50 | − .41 | 44 | 43 | + 8 | SSW | 2 | r | * | 47 | 34 | - | 5.2 | 0.09 |
| | Bath ... ... ... | 29.83 | 45 | SW | 4 | c | 29.49 | − .48 | 45 | 44 | + 6 | S | 1 | r | * | 48 | ?39 | - | 6.6 | 0.34 |
| | Oxford ... ... | 29.82 | 44 | S | 4 | 0 | 29.53 | − .47 | 46 | 44 | + 9 | S | 5 | rg | * | 47 | 36 | bc,o,rg | * | 0.12 |
| | London (Brixton) ... | 29.94 | 42 | SW | 2 | b | 29.62 | − .37 | 45 | 44 | + 8 | SSW | 6 | org | * | 49 | 37 | bc,b,rg | 4.3 | 0.05 |
| GERMANY, &c. | The Scaw (Skagen) | 29.95 | 36 | W | 3 | m | 30.03 | + .28 | 35 | 35 | − 1 | SSW | 4 | m | 1 | 43 | 35 | - | * | 0.04 |
| | Fanö ... ... ... | 29.98 | 39 | S | 2 | m | 30.00 | + .15 | 35 | 35 | − 4 | SE | 4 | 0 | * | 41 | 34 | - | * | - |
| | Cuxhaven ... ... | 30.10 | 39 | SW | 1 | 0 | 30.04 | + .09 | 35 | 34 | − 3 | S | 2 | b | * | 39 | 31 | o,f | * | - |
| | The Helder ... | 30.01 | 39 | SW | 3 | b | 29.83 | − .10 | 38 | 37 | − 2 | S | 3 | 0 | 3 | 43 | 34 | - | * | - |
| | Brussels ... ... | * | * | * | * | * | 29.95 | − .15 | 37 | 35 | − 4 | SSE | 3 | c | * | 44 | 35 | - | * | - |
| | Berlin ... ... ... | 30.18 | 36 | SSW | 1 | c | 30.19 | + .09 | 36 | 35 | + 6 | SSW | 1 | 0 | * | 37 | 30 | - | * | 0.08 |
| | Frankfürt ... ... | 30.25 | 37 | SW | 1 | r | 30.16 | − .05 | 37 | 36 | + 6 | SW | 1 | f | * | 37 | 31 | - | * | 0.32 |
| | Munich ... ... | 30.27 | 30 | SW | 1 | 0 | 30.21 | − .05 | 33 | 33 | + 16 | N | 0 | f | * | 36 | 17 | - | * | - |
| FRANCE. | C. Gris Nez ... | 30.02 | 41 | SSW | 4 | b | 29.78 | − .24 | 42 | 40 | 0 | SSW | 6 | bc | 5 | 48 | 39 | - | * | 0.04 |
| | Brest ... ... ... | 29.89 | 49 | S | 6 | 0 | 29.58 | − .50 | 46 | 46 | + 1 | S | 3 | r | 6 | 50 | 45 | - | * | 0.47 |
| | Lorient ... ... | 30.03 | 48 | SW | 4 | 0 | 29.65 | − .48 | 48 | 48 | + 3 | SSW | 6 | f | 8 | 54 | 45 | - | * | 0.12 |
| | Rochefort ... ... | 30.16 | 48 | SSW | 3 | bc | 29.89 | − .28 | 42 | 41 | − 5 | SE | 4 | c | * | 55 | 41 | c,bc | * | - |
| | Biarritz ... ... | 30.23 | 50 | N | 0 | b | 29.99 | − .33 | 49 | 43 | + 1 | WSW | 4 | b | 5 | 54 | 45 | - | * | - |
| | Paris ... ... ... | 30.16 | 40 | SSW | 2 | b | 29.97 | − .17 | 39 | 38 | − 3 | S | 3 | 0 | * | 50 | 38 | - | * | - |
| | Belfort... ... ... | 30.26 | 38 | WSW | 2 | r | 30.10 | − .14 | 39 | 38 | 0 | NE | 2 | bc | * | 41 | 35 | - | * | 0.32 |
| | Lyons ... ... ... | 30.29 | 46 | SSW | 1 | c | 30.11 | − .21 | 39 | 38 | − 6 | S | 3 | b | * | 49 | 36 | - | * | - |
| | Nice ... ... ... | 30.31 | 44 | E | 1 | bc | 30.19 | − .17 | 43 | 39 | + 2 | E | 2 | c | 2 | 52 | 41 | - | * | - |
| | Perpignan ... ... | 30.25 | 46 | SE | 2 | c | 30.08 | − .17 | 36 | 36 | − 5 | SW | 1 | b | * | 56 | 36 | - | * | - |
| SPAN. PEN. | Corunna ... ... | | | | | | | | | | | | | | | | | | * | |
| | Lisbon ... ... | 30.28 | 49 | SW | 1 | b | 30.19 | − .11 | 53 | 50 | + 10 | SW | 5 | 0 | * | 54 | 43 | - | * | - |
| | Azores (P. Delgada)... | | | | | | | | | | | | | | | | | | * | |
| | ,, (Horta) ... | 30.29 | 58 | N | 0 | 0 | 30.21 | − .05 | 57 | 53 | − 3 | SW | 4 | bc | 2 | 63 | 54 | - | * | - |

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

† *Observations received too late for insertion in Charts on next page.*

# WEATHER CHARTS

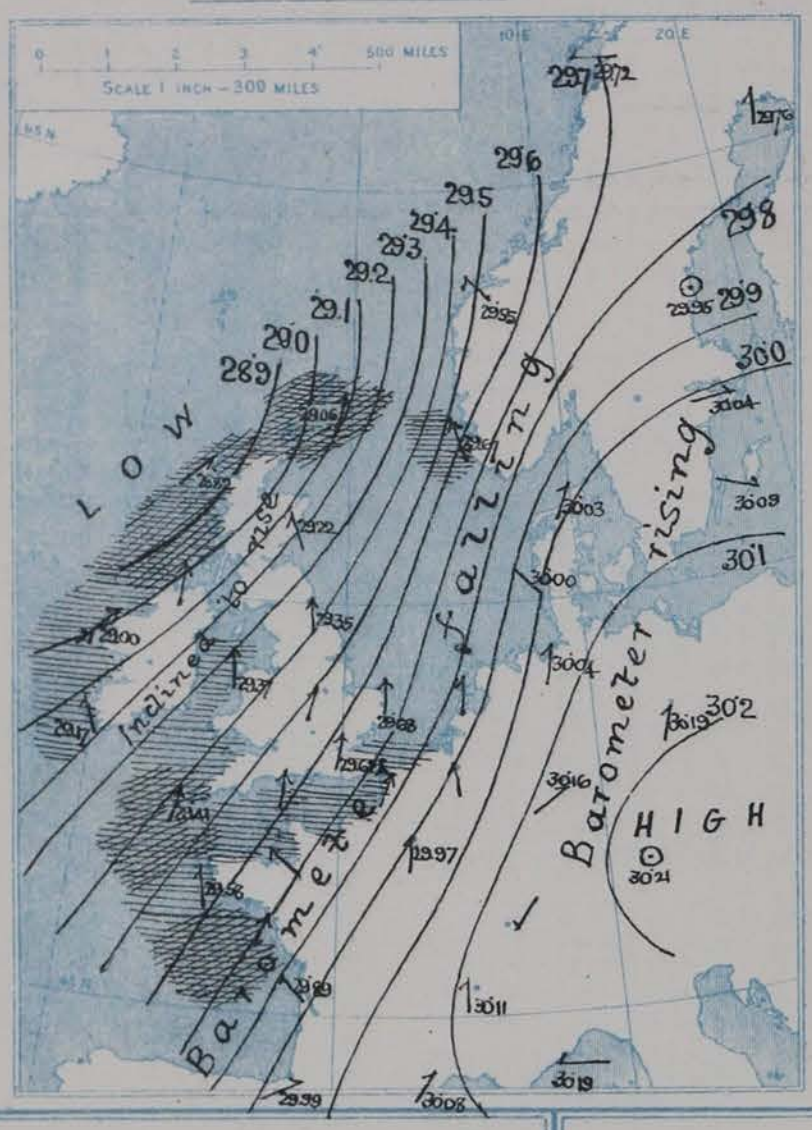
FOR Saturday, 30th January, 1904.

## I. BAROMETER, WIND AND SEA. *This Morning.*

*BAROMETER.—Isobars are drawn for each tenth of an inch.*
*WIND.—Arrows show Directions and Force, flying with the wind.*

*Force above 10* ⟶ ; *Force 5 to 7* ⟶ ; *Force 8 to 10* ⟶ ; *Force 1 to 4* ⟶ ; } Calm ⊙

*SEA—Rough* ▒ *High* ■



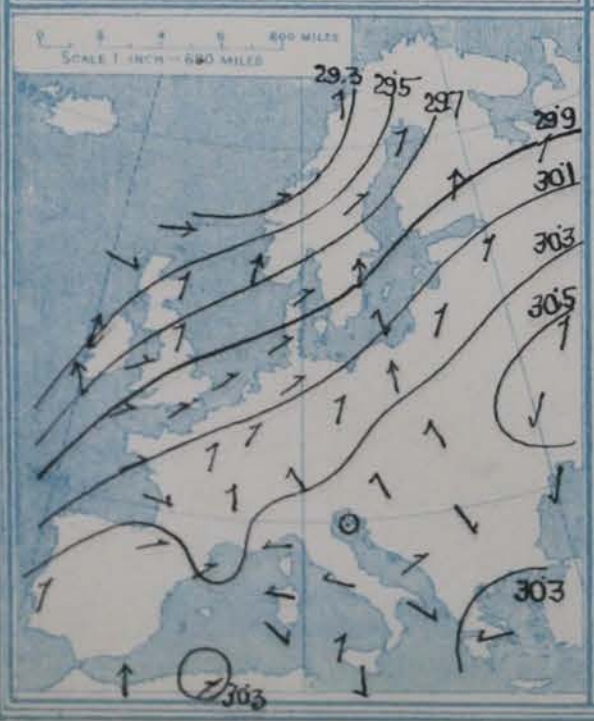

## II. TEMPERATURE AND WEATHER. *This Morning.*

*TEMPERATURE.—Isotherms are drawn for each 10°.*
*WEATHER.—Shown by Letters of the Beaufort Scale.* *(See P. 4.)*

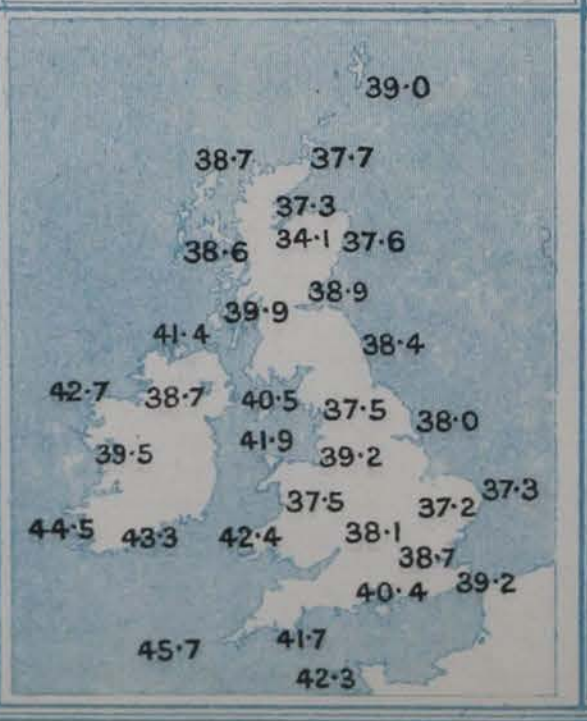
*RAINFALL.—* *A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus – 0·6*

## III. BAROMETER AND WIND

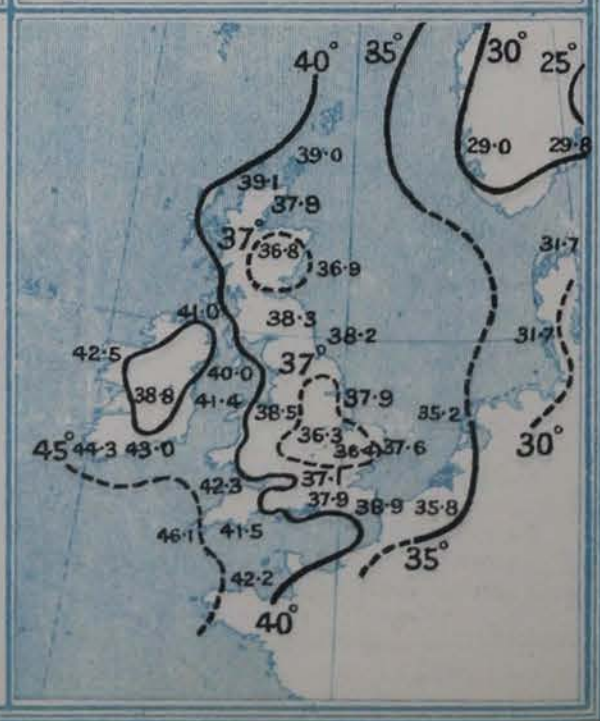
*Yesterday morning.*




## IV. *Averages of* DAILY MAXIMUM *and* MINIMUM TEMPERATURES *combined for the month of* JANUARY. *(1871–1900.)*



## V. *Means of* DAILY TEMPERATURE *at 8 A.M. for the Two monthly period* JANUARY–FEBRUARY *(1871–1900)*



# GENERAL SITUATION AT 8 A.M.

**PRESSURE.** The general conditions remain practically unaltered. Since yesterday morning the centre of a very large and deep depression has passed in a NNE$^{ly}$ direction along our western coasts, and has caused steep gradients over the whole of our Islands and the North Sea. The disturbance is now travelling away from our neighbourhood, the lowest pressures, 28.9 ins. and less, being reported in the northwest of Scotland. At many of our western stations the barometer is inclined to rise, but at Valencia the mercury is very unsteady. The highest pressures, 30.2 ins. and upwards to 30.1 ins., are found over the Baltic, Germany and the southeast of France.

**WIND.** The wind is now S$^{ly}$ over western Europe generally, and is strong to a gale in force over nearly the whole of the United Kingdom; a strong gale is also reported on the southwest coasts of Norway.

**TEMPERATURE.** Temperature has risen decidedly in these Islands, and is now considerably above the average, the morning readings being above 40° in nearly all districts and above 45° in the south of England. A general rise of the thermometer has also occurred in Germany, where the readings are now mostly above the freezing point. Over the western parts of the Continent the weather has, however, become cooler, and in the northern parts of Sweden a slight frost is now reported.

**WEATHER AND SEA.** Rain is falling over our midland and southern counties, and also in the north of France, but in Ireland and Scotland the weather has become temporarily fine. Fair weather is also reported at most of the Continental stations, but fog prevails in some parts of Germany. The sea is high at the mouth of the Channel and also off the north of Scotland, and is rough or rather so, on all but our east coasts.

During yesterday the thermometer rose to 45° and upwards in most parts of the United Kingdom, and to 50° at Scilly and Jersey. The duration of bright sunshine was small in the west and north, but large elsewhere; at Skegness it amounted to 7.0 hrs.; at Jersey to 7.1 hrs, and at Clacton-on-Sea to 7.7 hrs. Rain has fallen generally, the amount at Blacksod Point being as much as 1.2 in. Thunder and lightning occurred last night on the west coast of Ireland, and lightning only, at Stornoway.

## PROBABLE CHANGES IN SYSTEM NOW PREVALENT

The unsteadiness of the barometer at Valencia, coupled with the fact that the wind shows no tendency to veer, seem to point to the approach of a new disturbance from the west. Barometric gradients are already steep, and with the arrival of a fresh depression, are likely to become steeper. Gales from the S$^{wd}$ are therefore still probable on many parts of our coasts, with mild changeable weather over the entire Kingdom.

# FORECASTS*

*For the 24 hours ending at NOON on* 31$^{st}$ JANUARY, 1904

| DISTRICTS. | FORECASTS. |
|---|---|
| 0 SCOTLAND NORTH<br>1 SCOTLAND EAST | S$^{ly}$ winds, strong to a gale in force; fair at first, some rain later. |
| 2 ENGLAND N.E.<br>3 ENGLAND EAST<br>4 MIDLAND COUNTIES<br>5 ENGLAND SOUTH | S$^{ly}$ and SW$^{ly}$ winds, strong, a gale in places; mild, unsettled, rain at times. |
| 6 SCOTLAND WEST<br>7 ENGLAND N.W.<br>8 ENGLAND S.W<br>9 IRELAND NORTH<br>10 IRELAND SOUTH | S$^{ly}$ to SW$^{ly}$ winds, strong to a gale in force; fair at first, then squally and rainy. |
| WARNINGS | At 2.50 p.m. yesterday to districts 2, 3, 5 and 8 "Rehoist South Cone." The signals are now flying on all coasts. |

*Note.*—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

# REPORTS FOR YESTERDAY.

| STATIONS. | Temperature F. Max. | Temperature F. Min. | Weather. | Sunshine. Hrs. | Rainfall. Ins. |
|---|---|---|---|---|---|
| Blackpool, to 9 p.m. ... ... | 44 | 38 | b, c, g | 3·8 | 0·01 |
| Southport, to 9 p.m. ... ... | 44 | 35 | b, c, op | 3·6 | - |
| Rhyl, ... ... ... ... ... | * | * | * | 2·8 | * |
| Llandudno ... ... ... ... | * | * | * | 3·0 | * |
| Bettws-y-Coed, to 6 p.m. ... | 46 | 32 | bcg, o | 3·7 | * |
| Aberystwyth, to 6 p.m. ... | 45 | 39 | c | 2·0 | 0·10 |
| Plymouth, to 9 p.m. ... ... | 48 | 38 | bc, bcgp, p | 4·5 | 0·05 |
| Bournemouth to 6 p.m. ... | * | * | * | 6·1 | * |
| Worthing ... ... ... ... | * | * | * | 6·3 | * |
| Brighton ... ... ... ... | 47 | * | * | 5·6 | * |
| Eastbourne, to 6 p.m. ... | 47 | * | * | 6·0 | * |

| STATIONS. | Temperature F. Max. | Temperature F. Min. | Weather. | Sunshine. Hrs. | Rainfall. Ins. |
|---|---|---|---|---|---|
| Hastings ... ... ... ... | * | * | * | 5·4 | * |
| Broadstairs ... ... ... ... | * | * | * | | * |
| Margate ... ... ... ... | 48 | 37 | b | 6·1 | 0·22 |
| Lowestoft, to 6 p.m. ... ... | 47 | 35 | o, r, bc, b | 4·5 | 0·03 |
| Skegness ... ... ... ... | * | * | * | 7·0 | * |
| Scarborough, to 6 p.m. ... | 47 | * | * | 4·3 | * |
| Harrogate, to 6 p.m. ... | 46 | 34 | bm, b | 4·0 | - |
| Manchester, to 9 p.m. ... | 45 | 34 | b, bc, ou, g | 4·3 | - |
| Darwen, to 9 p.m. ... ... | 40 | 31 | o, c, bc, om, g | 3·2 | - |
| Birmingham, to 9 p.m. ... | 44 | 35 | c, r | 5·5 | - |

## TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

| STATIONS. 29th Jan.y 1904 | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|
| Copenhagen ... ... ... | 55 | 36 | o, m | - |
| Utrecht ... ... ... ... | 43 | 39 | o, o | 0·08 |
| Groningen ... ... ... ... | 41 | 36 | bc, o | 0·04 |
| Vienna ... ... ... ... ... | 28 | 23 | o, f | - |
| Marseilles ... ... ... ... | 54 | 46 | bc, o | - |
| Florence ... ... ... ... | 51 | 30 | b, b | - |
| Rome ... ... ... ... ... | 54 | 36 | b, b | - |
| Naples ... ... ... ... ... | 54 | 44 | b, b | - |
| Palermo ... ... ... ... | 58 | 43 | bc, bc | - |
| Malta ... ... ... ... ... | 55 | 52 | bc | 0·16 |

| STATIONS. | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|
| Algiers ... ... ... ... | 64 | 50 | b, c | - |
| Tunis ... ... ... ... | 61 | 43 | o, c | - |
| Madeira (Funchal) ... ... | Not | rec.d | | |
| 28th Jan. 1904. | 1 p.m. | | 1 p.m. | Measured 7 a.m. |
| Geneva ... ... ... ... | 25 | * | f | |
| Berne ... ... ... ... | 28 | * | m | - |
| Coire ... ... ... ... | 45 | * | b | - |
| Castasegna ... ... ... | 39 | * | b | - |
| Lugano ... ... ... ... | 43 | * | b | - |
| Davos ... ... ... ... | 28 | * | b | - |

EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

| COUNTRIES, &c. | Hours of Morning Observations by Local Standard Time. | Corresponding Greenwich Times. | Hours of Evening Observations by Local Standard. | Corresponding Greenwich Times. |
|---|---|---|---|---|
| British Isles, Belgium† ... | 8 a.m. (West European) | 8 a.m. | 6 p.m.‡ (W.E.T.) | 6 p.m.‡ |
| Holland ... ... ... ... ... | 8 a.m. ( " " ) | 8 a.m. | 7 p.m. (W.E.T.) | 7 p.m. |
| Germany, Denmark, Norway, Sweden | 8 a.m. (Mid-European) | 7 a.m. | 8 p.m. (M.E.T.) | 7 p.m. |
| France ... ... ... ... ... | 7 a.m. (Paris) ... ... | 6.51 a.m. | 6 p.m. (Paris) | 5.51 p.m. |
| Spain ... ... ... ... ... | 8 a.m. (West European) | 8 a.m. | 6 p.m. (W.E.T.) | 6 p.m. |
| Portugal ... ... ... ... ... | 8 a.m. (Lisbon) ... ... | 8.36 a.m. | 3.23 p.m. (Lisbon) | 4 p.m. |
| Azores { Ponta Delgada ... ... | 6 a.m. (Local) ... ... | 7.43 a.m. | 9 p.m. (Local) | 10.43 p.m. |
| Azores { Horta ... ... ... | 6 a.m. (Local) ... ... | 7.55 a.m. | 9 p.m. (Local) | 10.55 p.m. |

TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

| 30th Jan.y 1904 | Sunrise G.M.T. | Noon G.M.T. | Sunset G.M.T. |
|---|---|---|---|
| Yarmouth ... ... ... | 7.41 | 12.6 | 4.32 |
| Greenwich ... ... ... | 7.44 | 12.13 | 4.43 |
| Wick ... ... ... ... | 8.26 | 12.25 | 4.25 |
| Valencia ... ... ... | 8.27 | 12.54 | 5.22 |

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† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

# DAILY WEATHER REPORT

*for 8 a.m. on* SUNDAY 31ST JANUARY, 1904.

*Issued by the METEOROLOGICAL OFFICE, 63, Victoria Street, London.* W. N. SHAW, *Secretary.*

| | STATIONS. | YESTERDAY EVENING. (See note on last page.) Barom. At 32° and M.S.L. Ins. | Temp. Dry Bulb. ° | Wind. Direc. | Wind. Force (0 to 12.) | Weather | THIS MORNING. (See note on last page.) Barometer. At 32° Fahr. and M.S.L. Ins. | Barometer. Change since Yesterday. Ins. | Temperature. Dry Bulb. ° | Temperature. Wet Bulb. ° | Temperature. Change since Yesterday. ° | Wind. Direc. | Wind. Force (0 to 12.) | Weather. | Sea (0 to 9.) | PAST 24 HOURS. Temp. Max. ° | Temp. Min. ° | Weather | Sunshine Hours | Rainfall Ins |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SCANDINAVIA | Haparanda ... ... | 30·01 | 31 | Z | 0 | b | 30·09 | +·33 | 30 | 30 | -2 | Z | 0 | b | * | 36 | 27 | – | * | – |
| | Hernösand ... ... | 30·10 | 27 | Z | 0 | 0 | 30·13 | +·18 | 31 | 30 | +1 | S | 4 | o | * | 31 | 25 | – | * | – |
| | Stockholm ... ... | 30·15 | 30 | S | 2 | c | 30·15 | +·11 | 34 | 32 | -2 | SE | 2 | o | * | 37 | 28 | – | * | – |
| | Wisby ... ... ... | 30·15 | 33 | NW | 2 | bc | 30·11 | +·03 | 35 | 34 | -2 | Z | 0 | o | * | 37 | 32 | – | * | – |
| | Karlstad ... ... | 30·08 | 34 | SW | 2 | o | 30·08 | +·03 | 31 | 30 | -3 | SE | 2 | o | * | * | * | – | * | – |
| | Færder (X'iania Fjord) | 29·93 | 38 | S | 6 | o | 29·98 | +·01 | 33 | 32 | -5 | SE | 6 | o | 4 | 38 | 33 | – | * | – |
| | Bodö ... ... ... | 29·67 | 37 | E | 4 | c | 29·80 | +·08 | 35 | 33 | +2 | E | 4 | bc | 1 | 37 | 32 | – | * | – |
| | Christiansund ... | 29·55 | 46 | SE | 5 | c | 29·65 | +·10 | 45 | 38 | +7 | SE | 3 | c | 4 | 46 | 37 | – | * | – |
| | Skudesnaes ... | 29·65 | 40 | S | 10 | † | 29·60 | -·07 | 40 | 37 | -1 | SSE | 8 | c | 7 | 41 | 39 | † | * | * |
| BRITISH ISLANDS. | Sumburgh Head | 29·20 | 43 | SSW | 5 | b | 29·17 | +·11 | 40 | 40 | -4 | SE | 2 | † | 4 | 45 | 40 | b | * | 0·28 |
| | Stornoway ... ... | 29·05 | 43 | SW | 6 | b,bl | 29·18 | +·36 | 36 | 35 | -7 | W | 1 | bc | 1 | 45 | 34 | thq,bl | 0·0 | 0·34 |
| | Malin Head ... | 29·07 | 38 | SSW | 7 | bc | 29·21 | +·25 | 34 | 33 | -6 | S | 2 | c | 2 | 43 | 32 | b,bc | * | – |
| | Blacksod Pt. ... | 29·12 | 41 | W | 6 | chq | 29·17 | +·17 | 39 | 36 | -6 | SSW | 6 | rml | 5 | 45 | 37 | rq,hq | * | 0·32 |
| | Valencia ... ... | 29·22 | 39 | SSE | 3 | thp | 29·33 | +·16 | 42 | 39 | +2 | W | 6 | oq | 6 | 47 | 33 | bc,hp,s | 3·0 | 0·47 |
| | Roche's Point ... | 29·24 | 43 | NW | 1 | c | 29·31 | +·05 | 35 | 33 | -10 | WNW | 2 | c | 2 | 46 | 33 | bc,c | * | 0·07 |
| | Parsonstown ... | 29·23 | 36 | E | 2 | b | 29·28 | +·07 | 32 | 31 | -8 | ESE | 1 | bc | * | 45 | 29 | bc,b | 3·8 | – |
| | Donaghadee ... | 29·20 | 42 | WSW | 2 | o | 29·27 | +·05 | 34 | 33 | -9 | WSW | 1 | c | 2 | 46 | 31 | – | * | – |
| | Liverpool Obsy... | 29·27 | 41 | W | 1 | † | 29·32 | -·06 | 34 | 33 | -9 | SSE | 1 | b | 1 | 46 | 34 | o,† | * | 0·35 |
| | Holyhead ... ... | 29·22 | 41 | W | 2 | omp | 29·26 | -·05 | 38 | 37 | -7 | S | 1 | c | 1 | 45 | 36 | h,omp | * | 0·29 |
| | Pembroke (St Ann's) | 29·27 | 42 | SSW | 3 | † | 29·26 | -·09 | 37 | 36 | -9 | NE | 3 | f | 5 | 46 | 37 | – | 0·0 | 0·28 |
| | Scilly (St. Mary's) ... | 29·27 | 46 | W | 3 | c | 29·27 | -·14 | 44 | 41 | -4 | NW | 5 | cp | 7 | 49 | 41 | †,c | 1·0 | 0·24 |
| | Jersey (St. Aubins) ... | 29·45 | 46 | SW | 5 | o | 29·17 | -·49 | 43 | 41 | -3 | SSE | 6 | c | 5 | 47 | 41 | or,opq | 0·0 | 0·49 |
| | Portland Bill ... | 29·32 | 45 | W | 5 | c | 29·21 | -·31 | 39 | 38 | -7 | SE | 4 | † | 4 | 46 | 38 | †,c | * | 0·62 |
| | Dungeness ... ... | 29·50 | 46 | SW | 6 | † | 29·37 | -·37 | 43 | 41 | -2 | S | 5 | ru | 4 | 47 | 42 | o,† | 0·0 | 0·10 |
| | Wick ... ... ... | 29·17 | 42 | S | 3 | b | 29·17 | +·14 | 42 | 40 | -2 | NE | 2 | b | 2 | 45 | 39 | – | * | – |
| | Nairn ... ... ... | 29·16 | 40 | SW | 1 | b | 29·20 | +·17 | 38 | 36 | -3 | SW | 3 | o | 1 | 46 | 35 | – | * | – |
| | Aberdeen ... ... | 29·25 | 43 | S | 3 | o | 29·23 | +·01 | 37 | 36 | -6 | WSW | 1 | od | 3 | 44 | 36 | b,o,d | 0·2 | 0·33 |
| | Leith ... ... ... | 29·23 | 44 | SSW | 1 | o | 29·26 | +·04 | 38 | 37 | -6 | SW | 1 | cm | * | 49 | 37 | – | * | 0·07 |
| | North Shields ... | 29·28 | 44 | S | 3 | m | 29·30 | -·05 | 37 | 36 | -8 | Z | 0 | om | 2 | 46 | 36 | p,c,m | * | 0·06 |
| | Spurn Head .. | 29·34 | 42 | SSE | 6 | † | 29·34 | -·15 | 40 | 40 | -3 | S | 2 | cp | 2 | 46 | 39 | r,p | * | 0·22 |
| | Yarmouth ... ... | 29·48 | 43 | S | 6 | cgq | 29·39 | -·29 | 41 | 40 | -2 | S | 4 | c | 4 | 44 | 40 | o,cgq | * | 0·09 |
| | Clacton-on-Sea ... | 29·47 | 43 | S | 6 | † | 29·39 | -·30 | 41 | 40 | -1 | SE | 4 | o | 4 | 44 | 40 | orq,bc | 0·0 | 0·13 |
| | Nottingham ... | 29·31 | 45 | S | 2 | † | 29·33 | -·17 | 39 | 38 | -5 | E | 1 | o | * | 46 | 38 | – | 0·0 | 0·19 |
| | Bath ... ... ... | 29·34 | 47 | S | 4 | † | 29·26 | -·23 | 40 | 39 | -5 | E | 1 | c | * | 47 | 36 | – | 0·0 | 0·12 |
| | Oxford ... ... | 29·30 | 45 | S | 3 | orq | 29·30 | -·23 | 39 | 38 | -7 | E | 2 | o | * | 46 | 38 | orq,o | * | 0·57 |
| | London (Brixton) ... | 29·39 | 44 | S | 7 | rq | 29·33 | -·29 | 42 | 40 | -3 | E | 2 | o | * | 46 | 40 | rq,bc,o | 0·0 | 0·34 |
| GERMANY, &c. | The Scaw (Skagen) | 29·95 | 37 | SSE | 5 | m | 29·91 | -·12 | 36 | 35 | +1 | SE | 5 | m | 2 | 37 | 34 | – | * | – |
| | Fanö ... ... ... | 29·85 | 34 | ESE | 4 | o | 29·73 | -·27 | 34 | 33 | -1 | ESE | 6 | o | * | 39 | ? | – | * | – |
| | Cuxhaven ... ... | 29·90 | 37 | S | 4 | b | 29·72 | -·32 | 34 | 33 | -1 | SE | 5 | o | * | 41 | 32 | – | * | – |
| | The Helder ... | 29·62 | 40 | SSE | 3 | b | 29·52 | -·31 | 40 | 39 | +2 | S | 1 | c | 1 | 45 | 36 | – | * | – |
| | Brussels ... ... | * | * | * | * | * | 29·59 | -·36 | 39 | 37 | +2 | SSE | 3 | b | * | 48 | 37 | – | * | – |
| | Berlin ... ... ... | 30·06 | 34 | SSE | 2 | b | 29·91 | -·28 | 34 | 33 | -2 | S | 2 | o | * | 37 | 32 | – | * | – |
| | Frankfürt ... ... | 29·92 | 38 | E | 2 | o | 29·79 | -·37 | 36 | 36 | -1 | S | 1 | o | * | 45 | 36 | – | * | – |
| | Munich ... ... | 29·96 | 32 | SE | 4 | o | 29·83 | -·38 | 29 | 29 | -4 | SW | 2 | o | * | 36 | 28 | – | * | – |
| FRANCE. | C. Gris Nez ... | 29·54 | 44 | S | 6 | † | 29·41 | -·37 | 40 | 39 | -2 | SE | 4 | o | 5 | 48 | 37 | – | * | 0·04 |
| | Brest ... ... ... | 29·41 | 46 | SW | 5 | c | 29·17 | -·41 | 39 | 38 | -7 | NW | 1 | † | 7 | 50 | 36 | – | * | 1·06 |
| | Lorient ... ... | 29·49 | 46 | W | 6 | o | 29·16 | -·49 | 45 | 45 | -3 | SW | 6 | f | 8 | 52 | 44 | – | * | 0·95 |
| | Rochefort ... ... | 29·72 | 46 | SW | 4 | b | 29·45 | -·44 | 47 | 44 | +5 | SSW | 7 | o | * | 50 | 41 | o,b,† | * | 0·55 |
| | Biarritz ... ... | 29·88 | 50 | SW | 4 | b | 29·58 | -·41 | 53 | 49 | +4 | SW | 6 | † | 7 | 52 | 43 | – | * | 0·04 |
| | Paris ... ... ... | 29·68 | 49 | SSW | 4 | o | 29·53 | -·44 | 40 | 38 | +1 | SSE | 3 | o | * | 52 | 39 | – | * | 0·04 |
| | Belfort... ... ... | 29·86 | 40 | NE | 5 | c | 29·73 | -·37 | 33 | 32 | -6 | ENE | 3 | b | * | 49 | 33 | – | * | – |
| | Lyons ... ... ... | 29·86 | 48 | S | 3 | c | 29·77 | -·34 | 37 | 35 | -2 | SSE | 1 | bc | * | 52 | 35 | – | * | 0·16 |
| | Nice ... ... ... | 30·03 | 43 | NE | 2 | † | 29·89 | -·30 | 40 | 39 | -3 | E | 1 | b | 3 | 48 | ? | – | * | 0·79 |
| | Perpignan ... ... | 29·86 | 48 | Z | 0 | o | 29·73 | -·35 | 41 | 38 | +5 | W | 1 | bc | * | 57 | 35 | – | * | – |
| SPAN. PEN. | Corunna ... ... | 29·87 | 50 | WNW | 3 | o | 29·87 | +·03 | 48 | 45 | -4 | WNW | 6 | o | 7 | 55 | 43 | – | * | 0·39 |
| | Lisbon ... ... | 30·10 | 55 | SW | 5 | o | 29·99 | -·20 | 54 | 53 | +1 | NNW | 5 | c | * | 55 | ? | – | * | 0·43 |
| | Azores (P. Delgada)... | 30·13 | 62 | WSW | 5 | o | 30·08 | -·15 | 62 | 59 | +5 | W | 5 | o | 5 | 64 | 57 | – | * | – |
| | " (Horta) ... | 30·09 | 63 | WSW | 4 | o | 30·03 | -·18 | 62 | 60 | +5 | SW | 5 | o | 2 | 64 | 57 | – | * | – |

NOTE: *The Sunshine for London given in this Table is recorded on the Tower of the Wesleyan Training College, Westminster: the Sunshine entered to Dungeness is recorded at Littlestone-on-Sea.*

* *Observations for this column not generally received.*

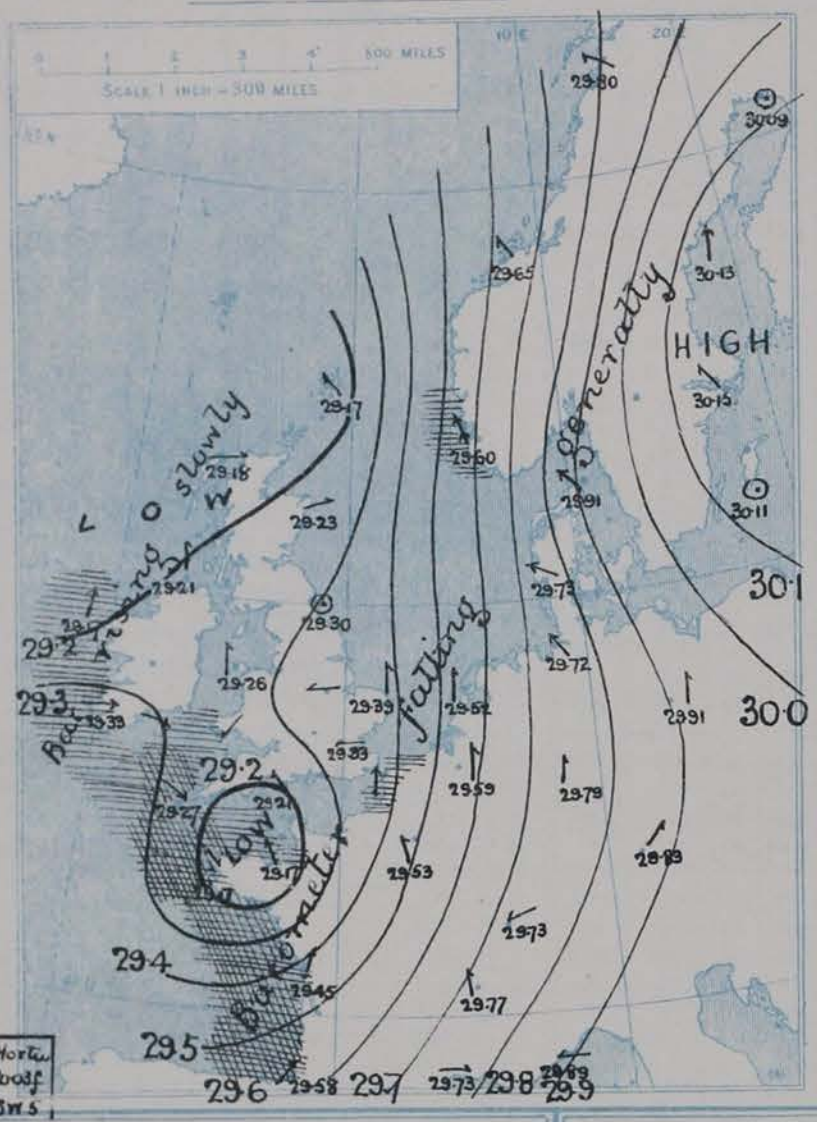
† *Observations received too late for insertion in Charts on next page.*

# WEATHER CHARTS

FOR Sunday 31st January, 1904.

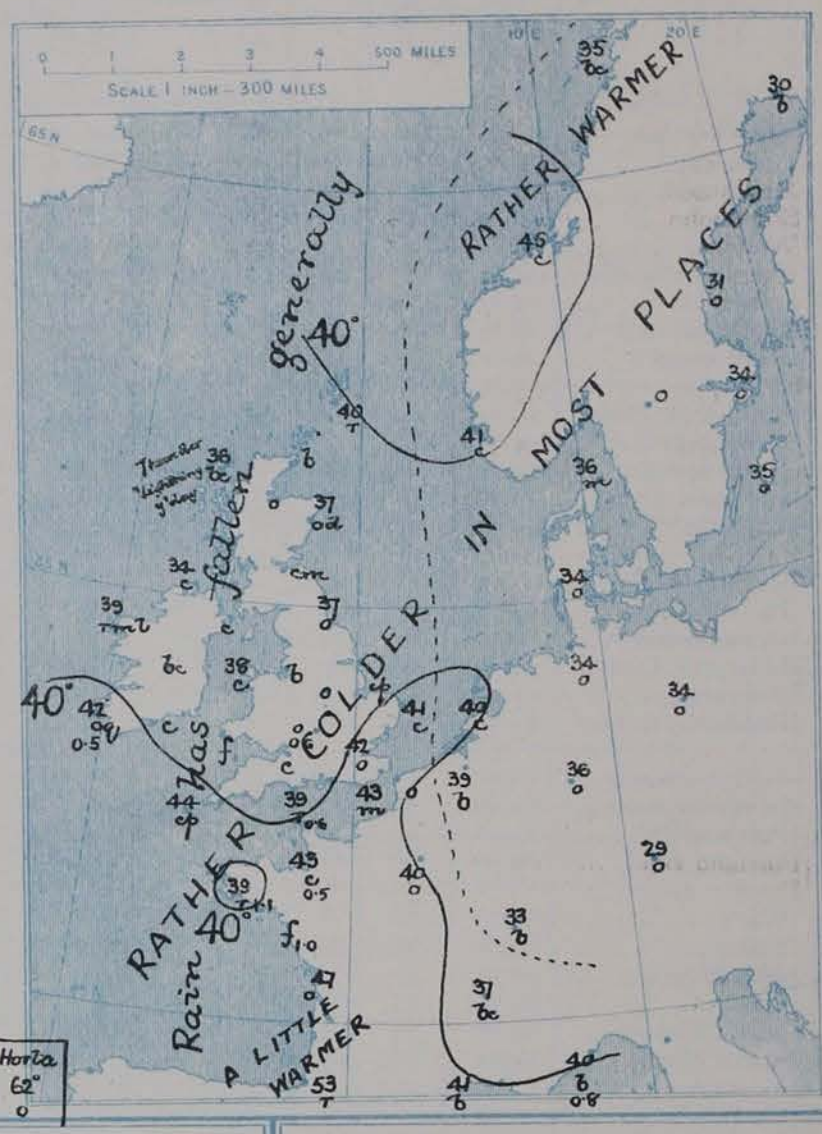
## I. BAROMETER, WIND AND SEA. *This Morning.*

*BAROMETER.—Isobars are drawn for each tenth of an inch.*
*WIND.—Arrows show Directions and Force, flying with the wind.*
*Force above 10* — *Force 8 to 10* — *Force 5 to 7* — *Force 1 to 4* — Calm ⊙
*SEA.—Rough* *High*



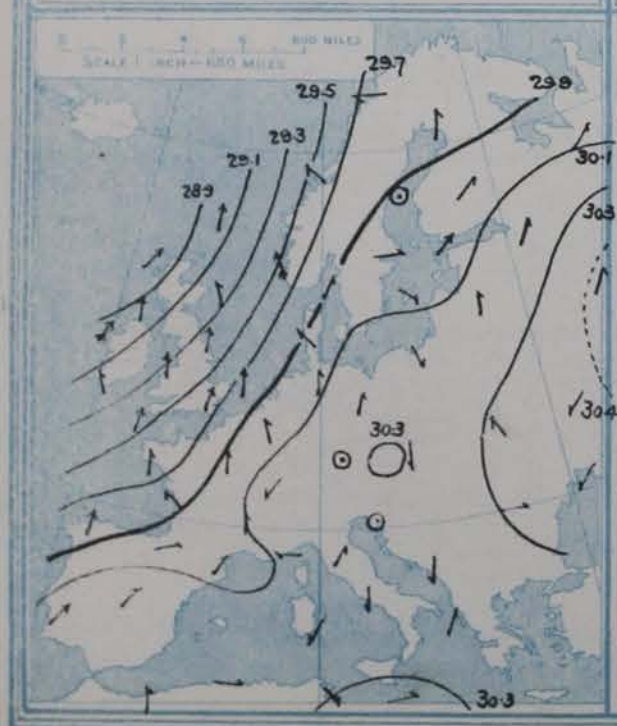

## II. TEMPERATURE AND WEATHER. *This Morning.*

*TEMPERATURE.—Isotherms are drawn for each 10°.*
*WEATHER.—Shown by Letters of the Beaufort Scale.* *(See P. 4.)*
*RAINFALL.—A dotted line separates areas where rain has fallen from those without rain. The fall in past 24 hours when exceeding half an inch is shown thus - 0·6*

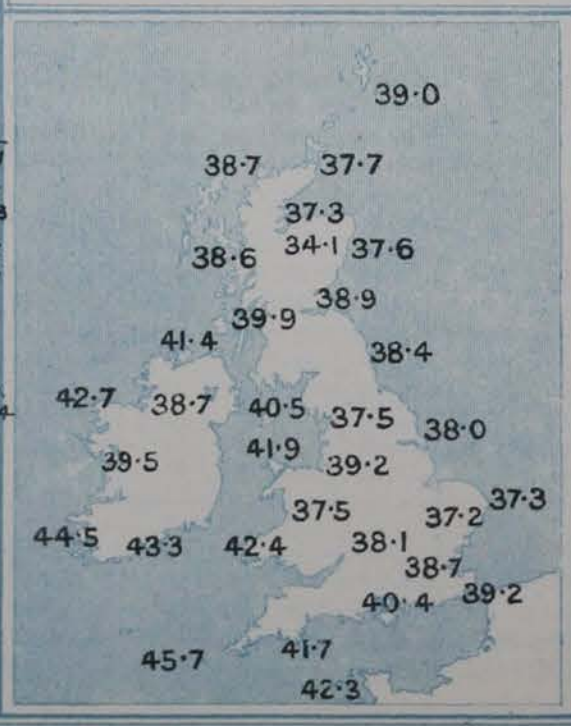



## III. BAROMETER AND WIND

*Yesterday morning.*



## IV. *Averages of* DAILY MAXIMUM *and* MINIMUM TEMPERATURES *combined for the month of* JANUARY. *(1871-1900.)*




## V. *Means of* DAILY TEMPERATURE *at 8 A.M. for the Two monthly period* JANUARY-FEBRUARY (1871-1900)

# GENERAL SITUATION AT 8 A.M.

**PRESSURE**

A small, but well-defined, depression which formed over the Bristol Channel during the night, has since moved southeastwards. Its centre, where the barometer stands at about 29.10 ins. is now lying off the north coast of Brittany. Readings nearly as low are reported off the north of Scotland in a large disturbance which is travelling rapidly northwards. The highest pressures are now found over and to the eastward of Sweden, where the values are above 30.1 ins.

**WIND**

The circulation of winds around the small baric minimum is well marked, but does not exceed a strong breeze in force excepting at Rochefort, where a moderate gale is reported. The general direction of wind at our northern and northwestern stations is between S. and W., and over Scandinavia, Denmark and Germany between S. and S.E. A fresh gale is blowing at Skudesnaes and a fresh or strong breeze on the other eastern shores of the North Sea, but in most places the wind is light or moderate.

**TEMPERATURE**

Temperature has fallen except in the southwest of France and the north of Norway. It ranges from 54° at Lisbon and 53° at Biarritz to 32° at Parsonstown, 31° at Karlstad, 30° at Haparanda, and to 29° at Munich.

**WEATHER AND SEA**

The weather is fair or fine in many places, but rain is falling at Lerwick, Aberdeen and Biarritz and also at all of our most southern and southwestern stations and in Brittany. At Blackrock Point rain and lightning are reported. The sea is high in the Bay of Biscay, off our southwestern coasts and at Skudesnaes, rough off the west of Ireland and rather so at Jersey.

The highest of the maxima recorded over our Island yesterday were just below 49°, and the lowest night minima 31° at Stornoway and 29° at Parsonstown. Rain has fallen at nearly all parts of the United Kingdom and France – about an inch in Brittany, 0.8 in. at Nice, 0.6 in. at Portland Bill and Oxford and 0.5 in. at Jersey and Valencia. Between 3 and 4 hrs. of bright sunshine were recorded yesterday at some Irish stations; little or none elsewhere.

**PROBABLE CHANGES IN SYSTEM NOW PREVALENT**

# FORECASTS*

*For the 24 hours ending at NOON on* 1st FEBRUARY, 1904

| DISTRICTS. | FORECASTS. | DISTRICTS. | FORECASTS. |
|---|---|---|---|
| 0 SCOTLAND NORTH | None issued. | 6 SCOTLAND WEST | None issued. |
| 1 SCOTLAND EAST | | 7 ENGLAND N.W. | |
| 2 ENGLAND N.E. | | 8 ENGLAND S.W | |
| 3 ENGLAND EAST | | 9 IRELAND NORTH | |
| 4 MIDLAND COUNTIES | | 10 IRELAND SOUTH | |
| 5 ENGLAND SOUTH | | WARNINGS | The South Cone is still flying in Districts 1, 2, 3 and parts of 0 and 8. |

*Note.*—The **South Cone**, *point downwards* (▼), means that gales, or strong winds, are probable, at first from the Southward (from S.E. round by S. to N.W.). Should it appear likely that a gale beginning from between W. and N.W. is likely to veer towards N. or N.E., the *North* Cone is hoisted in preference to the *South* Cone.

The **North Cone**, *point upwards* (▲), means that gales, or strong winds, are probable, at first from the Northward (from N.W. round by N. to S.E.). Should it appear likely that a gale beginning from between E. and S.E. is likely to veer towards S. or S.W., the *South* Cone is hoisted in preference to the *North* Cone.

* *For terms for transmission of Forecasts by Telegraph, see next page.*

# REPORTS FOR YESTERDAY.

| STATIONS. | Temperature F. Max. | Temperature F. Min. | Weather. | Sunshine Hrs. | Rainfall. Ins. |
|---|---|---|---|---|---|
| Blackpool, to 9 p.m. ... ... | 46 | 36 | or | 0·0 | 0·5; |
| Southport, to 9 p.m. ... ... | 46 | 37 | o, or | 0·0 | 0·39 |
| Rhyl, ... ... ... ... ... ... | * | * | * | | * |
| Llandudno ... ... ... ... | * | * | * | | * |
| Bettws-y-Coed, to 6 p.m. ... | 48 | 37 | o, r | 0·0 | * |
| Aberystwyth, to 6 p.m. ... | 46 | 39 | r, o | 0·0 | 0·40 |
| Plymouth, to 9 p.m. ... ... | 48 | 35 | ou, op, bc | 0·0 | 0·96 |
| Bournemouth to 6 p.m. ... | * | * | * | 0·0 | * |
| Worthing ... ... ... ... | * | * | * | 0·0 | * |
| Brighton ... ... ... ... | | * | * | | * |
| Eastbourne, to 6 p.m. ... | | * | * | | * |

| STATIONS. | Temperature F. Max. | Temperature F. Min. | Weather. | Sunshine Hrs. | Rainfall. Ins. |
|---|---|---|---|---|---|
| Hastings ... ... ... ... | * | * | * | 0·0 | * |
| Broadstairs... ... ... ... | * | * | * | | * |
| Margate ... ... ... ... | 48 | 38 | c, or | 0·0 | 0·01 |
| Lowestoft, to 6 p.m. ... ... | | | | | |
| Skegness ... ... ... ... | * | * | * | 0·0 | * |
| Scarborough, to 6 p.m. ... | | * | * | | * |
| Harrogate, to 6 p.m. ... | 47 | 39 | b, o, r | 0·0 | 0·04 |
| Manchester, to 9 p.m. ... | 47 | 42 | q, our | 0·0 | 0·19 |
| Darwen, to 9 p.m. ... .. | 43 | 35 | q, or | 0·0 | 0·49 |
| Birmingham, to 9 p.m. ... | 45 | 41 | r | 0·0 | 0·51 |

## TEMPERATURE, WEATHER, and RAINFALL at additional FOREIGN STATIONS, mainly for the 24 hours ended at 8 a.m. yesterday.

| STATIONS. 30th Jan.y 1904 | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|
| Copenhagen ... ... ... | 39 | 36 | f, m | - |
| Utrecht... ... ... ... ... | 46 | 34 | m, bc | - |
| Groningen ... ... ... ... | 43 | 34 | c, c | - |
| Vienna ... ... ... ... ... | 25 | 23 | o, f | - |
| Marseilles ... ... ... ... | 57 | 46 | c, o | - |
| Florence ... ... ... ... | 48 | 38 | b, o | - |
| Rome ... ... ... ... ... | 54 | 39 | o, o | - |
| Naples ... ... ... ... ... | 54 | 45 | b, o | - |
| Palermo ... ... ... ... | Not | rec.d | | |
| Malta ... ... ... ... ... | 59 | 49 | c | - |

| STATIONS. | Temperature, F. Max. | Temperature, F. Min. | Weather. | Rain. Ins. |
|---|---|---|---|---|
| Algiers ... ... ... ... | 66 | 54 | o, c | - |
| Tunis ... ... ... ... | 59 | 45 | bc, o | - |
| Madeira (Funchal) ... ... | Not | rec.d | | |
| 29th Jan. 1904. | 1 p.m. | | 1 p.m. | Measured 7 a.m. |
| Geneva ... ... ... ... | 41 | * | o | - |
| Berne ... ... ... ... | 37 | * | c | - |
| Coire ... ... ... ... | 41 | * | o | - |
| Castasegna ... ... ... | 43 | * | o | - |
| Lugano ... ... ... ... | 43 | * | o | - |
| Davos ... ... ... ... | 37 | * | o | - |

### EXPLANATION OF THE COLUMNS GIVEN ON PAGE 1.

WEATHER.—*Beaufort Scale* is b. blue sky; c. detached clouds; d. drizzling rain; f. fog; g. dark, gloomy; h. hail; l. lightning; m. misty (hazy); o. overcast; p. passing showers; q. squally; r. rain; s. snow; t. thunder; u. ugly, threatening; v. visibility, unusual transparency; w. dew.

* AN ASTERISK is inserted in all places for which information is not usually received.

### TABLE SHOWING THE LOCAL STANDARD TIMES AND THE CORRESPONDING GREENWICH TIMES OF THE OBSERVATIONS RECORDED ON PAGE 1.

| COUNTRIES, &c. | Hours of Morning Observations by Local Standard Time. | Corresponding Greenwich Times. | Hours of Evening Observations by Local Standard. | Corresponding Greenwich Times. |
|---|---|---|---|---|
| British Isles, Belgium† ... | 8 a.m. (West European) | 8 a.m. | 6 p.m.‡ (W.E.T.) | 6 p.m.‡ |
| Holland ... ... ... ... ... | 8 a.m. ( " " ) | 8 a.m. | 7 p.m. (W.E.T.) | 7 p.m. |
| Germany, Denmark, Norway, Sweden | 8 a.m. (Mid-European) | 7 a.m. | 8 p.m. (M.E.T.) | 7 p.m. |
| France ... ... ... ... ... | 7 a.m. (Paris) ... ... | 6.51 a.m. | 6 p.m. (Paris) | 5.51 p.m. |
| Spain ... ... ... ... ... | 8 a.m. (West European) | 8 a.m. | 6 p.m. (W.E.T.) | 6 p.m. |
| Portugal ... ... ... ... ... | 8 a.m. (Lisbon) ... ... | 8.36 a.m. | 3.23 p.m. (Lisbon) | 4 p.m. |
| Azores { Ponta Delgada ... ... | 6 a.m. (Local) ... ... | 7.43 a.m. | 9 p.m. (Local) | 10.43 p.m. |
| Azores { Horta ... ... ... | 6 a.m. (Local) ... ... | 7.55 a.m. | 9 p.m. (Local) | 10.55 p.m. |

### TABLE SHOWING THE GREENWICH TIMES OF SUNRISE, NOON, AND SUNSET, FOR STATIONS IN THE UNITED KINGDOM, TO-DAY.

| 31st Jan.y 1904. | Sunrise G.M.T. | Noon G.M.T. | Sunset G.M.T. |
|---|---|---|---|
| Yarmouth ... ... ... | 7.40 | 12.7 | 4.34 |
| Greenwich ... ... ... | 7.43 | 12.14 | 4.45 |
| Wick ... ... ... ... | 8.24 | 12.26 | 4.28 |
| Valencia ... ... ... | 8.26 | 12.55 | 5.24 |

*SUBSCRIPTIONS both for the* Daily *and* Weekly Weather Reports *may be paid, in advance, to the* Meteorological Office.

TERMS: For Daily Weather Report, forwarded by Book Post, £1 0 0 per annum.
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FORECASTS OF WEATHER for one day in advance are drawn up at the Meteorological Office at 11 a.m., and between 7 and 8 p.m. The latest forecast can be had by Reply Telegram, on paying at any Post Office in the United Kingdom **Sixpence in addition to the cost of the inquiry and reply Telegrams.** Information as to the Terms on which Forecasts can be sent daily, for a long or short period, may be obtained on application to the Meteorological Office, 63, Victoria Street, S.W., either personally or by post.

† The evening observations in Belgium are not given on page 1.

‡ At Oxford the observations are taken at 8 p.m.

## 1. REPORTS RECEIVED TOO LATE FOR INSERTION DAILY.

| DATE. | STATIONS. | YESTERDAY EVENING. Barom. At 32° and M.S.L. | Temp. Dry Bulb. | Wind. Direc. | Force (0 to 12). | Weather. | THIS MORNING. Barometer. At 32° Fahr. and M.S.L. | Change since Yesterday. | Temperature. Dry Bulb. | Wet Bulb. | Change since Yesterday. | Wind. Direc. | Force (0 to 12). | Weather. | Sea (0 to 9). | PAST 24 HOURS. Temp. Max. | Min. | Weather | Sunshine. | Rainfall. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Ins. | ° | | | | Ins. | Ins. | ° | ° | ° | | | | | | | | Hours. | Ins. |
| 1st | Jersey. | 29.68 | 36 | ESE | 5 | or3p | 29.84 | +.12 | 37 | 35 | +5 | ESE | 4 | c | 3 | 37 | 31 | – | 4.8 | – |
| 2nd | Jersey. | 29.92 | 42 | ESE | 3 | c | 29.95 | +.11 | 41 | 40 | +4 | SE | 4 | o | 4 | 42 | 37 | og, ogm | 0.0 | – |
| " | Corunna. | 29.95 | 52 | WNW | 3 | b | 29.95 | ? | 45 | 41 | ? | S | 3 | r | 3 | 55 | 39 | – | – | 0.08 |
| 3rd | Jersey. | 29.86 | 44 | SSE | 5 | o | 29.73 | –.22 | 44 | 44 | +3 | ESE | 7 | o | 5 | 45 | 40 | f, mg, p | 0.0 | 0.07 |
| 4th | Jersey. | 29.71 | 46 | NW | 3 | c | 29.68 | –.05 | 43 | 42 | –1 | SSE | 4 | c | 3 | 47 | 42 | ogr, c | 0.0 | 0.22 |
| " | Corunna. | 30.07 | 53 | W | 3 | c | 29.91 | .00 | 51 | 46 | –4 | WSW | 6 | o | 6 | 55 | 45 | – | – | 0.08 |
| 5th | Jersey. | 29.44 | 45 | SSW | 5 | o | 29.66 | –.02 | 44 | 43 | +1 | SE | 6 | bc | 5 | 46 | 43 | bc, om | 0.0 | 0.29 |
| " | Corunna. | 29.85 | 52 | W | 5 | o | 29.96 | +.05 | 50 | 46 | –1 | NW | 5 | o | 3 | 55 | 43 | – | – | 0.24 |
| 6th | Jersey. | 30.02 | 43 | ENE | 3 | b | 30.29 | +.63 | 37 | 37 | –7 | SE | 3 | f | 3 | 48 | 36 | bm | 5.3 | 0.01 |
| " | Corunna. | 30.05 | 48 | ? | 5 | o | 30.27 | +.31 | 41 | 39 | –9 | NNE | 1 | bc | 7 | 54 | 36 | – | – | 0.12 |
| " | Lisbon. | 30.07 | 52 | NNW | 4 | bc | 30.19 | +.15 | 51 | 45 | +3 | ENE | 3 | bc | – | 54 | 48 | – | – | – |
| 7th | Jersey. | 30.31 | 38 | ESE | 2 | f | 30.19 | –.10 | 41 | 40 | +4 | SSE | 3 | o | 3 | 41 | 37 | f | 0.0 | 0.01 |
| " | Brussels. | – | – | – | – | – | 30.32 | +.02 | 25 | – | –3 | S | 2 | o | – | 29 | 25 | – | – | – |
| 8th | Jersey. | 30.00 | 44 | SSE | 4 | or | 29.91 | –.28 | 46 | 46 | +5 | NW | 1 | f | 1 | 46 | 41 | of, or | 0.0 | 0.14 |
| " | Corunna. | 30.28 | 52 | E | 3 | o | 30.07 | ? | 52 | 50 | ? | S | 3 | r | 7 | 52 | 48 | – | – | ? |
| 9th | Jersey. | 29.81 | 42 | NW | 2 | or | 29.97 | +.06 | 44 | 42 | –2 | WNW | 4 | o | 3 | 47 | 42 | rf, orm | 0.0 | 0.82 |
| " | Corunna. | 30.23 | 54 | WNW | 5 | o | 30.50 | +.43 | 51 | 46 | –1 | NW | 6 | o | 6 | 59 | 43 | – | – | 0.28 |
| 10th | Jersey. | 30.19 | 43 | WNW | 4 | bc | 29.99 | +.02 | 44 | 43 | o | SSE | 5 | bc | 4 | 46 | 43 | rhp, bc | 2.3 | 0.05 |
| " | Biarritz. | 30.41 | 41 | N | 4 | r | 30.24 | .00 | 41 | – | –7 | S | 2 | o | 5 | 50 | 41 | – | – | 0.59 |
| 11th | Jersey. | 30.01 | 46 | WSW | 5 | rm | 30.03 | +.04 | 44 | 42 | o | SW | 3 | o | 3 | 48 | 35 | orgm | 0.0 | 0.46 |
| " | Corunna. | 30.16 | 50 | NW | 6 | r | 30.35 | ? | 49 | 43 | ? | SW | 3 | o | 6 | 54 | 41 | – | – | 0.32 |
| " | P. Delgada. | 30.54 | 60 | N | 1 | o | 30.52 | –.01 | 58 | 55 | o | NW | 1 | o | 1 | 63 | 57 | – | – | – |
| 12th | Jersey. | 29.73 | 44 | SE | 6 | or | 29.75 | –.28 | 48 | 47 | +4 | W | 3 | o | 3 | 48 | 43 | ogm, or | 0.0 | 0.20 |
| " | Corunna. | 30.15 | 52 | SSW | 3 | o | 30.21 | –.14 | 54 | 52 | +5 | W | 3 | b | 6 | 55 | 49 | – | – | 0.20 |
| " | Lisbon. | 30.35 | 53 | SW | 4 | o | 30.31 | –.06 | 56 | 55 | +9 | NW | 4 | o | 6 | ?56 | 47 | – | – | 0.04 |
| " | P. Delgada. | 30.47 | 60 | SSW | 4 | o | 30.38 | –.14 | 60 | 57 | +2 | SSW | 5 | c | 4 | 63 | 57 | – | – | – |
| 13th | Jersey. | 29.77 | 47 | SSW | 4 | or | 29.59 | –.16 | 50 | 48 | +2 | SW | 5 | o | 4 | 50 | 47 | or, og | 0.4 | 0.14 |
| " | Corunna. | 30.22 | 55 | W | 3 | o | 30.18 | –.03 | 54 | 51 | o | SSW | 3 | o | 5 | 57 | 48 | – | – | 0.12 |
| 14th | Jersey. | 29.50 | 50 | WSW | 6 | op | 29.33 | –.26 | 44 | 42 | –6 | WSW | 8 | o | 6 | 52 | 39 | g, p, hr | 0.0 | 0.46 |
| " | Corunna. | 30.11 | 58 | SSW | 6 | o | 30.10 | –.08 | 55 | – | +1 | WSW | 3 | o | 6 | 61 | 50 | – | – | 0.08 |
| " | P. Delgada. | 30.23 | 62 | SW | 4 | o | 30.17 | –.06 | 60 | 58 | –1 | SSW | 5 | b | 4 | 64 | 59 | – | – | – |
| 15th | Jersey. | 29.53 | 48 | WNW | 7 | o | 29.90 | +.57 | 41 | 40 | –3 | WNW | 4 | bc | 4 | 50 | 35 | rg, g, hr | 0.3 | 0.33 |
| " | Corunna. | 30.18 | 55 | W | 3 | o | 30.34 | +.24 | 49 | 46 | –6 | SW | 3 | f | 6 | 55 | 43 | – | – | 0.08 |
| " | P. Delgada. | 30.12 | 61 | S | 5 | b | 30.08 | –.09 | 60 | 59 | o | SSE | 5 | m | 5 | 64 | 59 | – | – | 0.08 |
| 16th | Jersey. | 29.94 | 45 | W | 5 | bc | 29.90 | .00 | 41 | 37 | o | WNW | 4 | bc | 4 | 50 | 36 | rhp, bc | 5.0 | 0.31 |
| " | Biarritz | 30.28 | 52 | W | 3 | o | 30.13 | –.12 | 48 | – | –3 | W | 5 | r | 4 | 52 | 43 | – | – | 0.55 |
| " | Corunna. | 30.26 | 52 | SW | 3 | r | 30.34 | .00 | 46 | 45 | –3 | NE | 3 | bc | 6 | 57 | 41 | – | – | 0.20 |
| " | Lisbon. | 30.36 | 55 | WSW | 3 | o | 30.35 | –.01 | 53 | 52 | –2 | WSW | 3 | o | – | 61 | 52 | – | – | 0.04 |
| " | P. Delgada. | 30.17 | 61 | SE | 4 | c | 30.24 | +.16 | 61 | 59 | +1 | SSE | 5 | bc | 5 | 64 | 59 | – | – | – |
| 17th | Jersey. | 30.13 | 42 | NW | 4 | c | 30.39 | +.49 | 44 | 40 | +3 | NW | 4 | bc | 3 | 46 | 39 | g, hrp | 3.8 | 0.09 |
| 18th | Jersey. | 30.44 | 44 | NNW | 3 | c | 30.36 | –.03 | 47 | 46 | +3 | W | 3 | o | 3 | 48 | 38 | bc, cg | 4.8 | 0.17 |
| " | Corunna. | 30.67 | 52 | NE | 1 | b | 30.58 | – | 41 | 39 | – | NNE | 1 | bc | 5 | 54 | 36 | – | – | – |
| 19th | Jersey. | 30.34 | 49 | WNW | 3 | c | 30.39 | +.03 | 49 | 48 | +2 | NW | 4 | o | 3 | 51 | 46 | of, rm, g | 0.0 | 0.11 |
| " | Biarritz. | 30.47 | 44 | Z | 0 | o | 30.33 | –.18 | 51 | – | o | N | 4 | o | 3 | 46 | 41 | – | – | 0.08 |
| " | Corunna. | 30.54 | 52 | NNE | 3 | o | 30.54 | –.04 | 47 | – | +6 | NNE | 1 | f | 3 | 54 | 41 | – | – | – |
| " | Lisbon | 30.38 | 49 | N | 4 | b | 30.36 | –.05 | 47 | 43 | +3 | N | 4 | b | – | 55 | 44 | – | – | – |
| 20th | Lyons. | 30.25 | 30 | N | 2 | o | 30.37 | +.12 | 27 | – | –2 | N | 1 | o | – | 35 | 26 | – | – | – |
| " | Corunna. | 30.50 | 54 | NNE | 1 | bc | 30.54 | .00 | 52 | 50 | +5 | NNE | 2 | o | 3 | 55 | 47 | – | – | – |
| " | Lisbon. | 30.27 | 51 | NW | 4 | b | 30.24 | –.12 | 50 | 46 | +3 | NW | 4 | b | – | 57 | 46 | – | – | – |
| " | P. Delgada. | 30.42 | 59 | E | 4 | bc | 30.44 | +.07 | 57 | 52 | –2 | NNW | 2 | o | 3 | 63 | 54 | – | – | – |
| 21st | Corunna. | 30.50 | 54 | NE | 3 | o | 30.54 | .00 | 45 | 41 | –7 | NE | 2 | bc | 5 | 55 | 39 | – | – | – |
| 22nd | Corunna. | 30.54 | 50 | NNE | 3 | bc | 30.39 | –.15 | 48 | 45 | +3 | SSE | 3 | bc | 5 | 52 | 43 | – | – | – |
| 23rd | Corunna. | 30.34 | 50 | SSE | 3 | o | 30.23 | –.16 | 43 | 39 | –5 | SSE | 3 | bc | 3 | 52 | 37 | – | – | – |
| 24th | The Helder. | 30.52 | 34 | SW | 1 | m | 30.37 | –.24 | 27 | – | –8 | SE | 1 | f | 0 | 37 | 23 | – | – | – |
| 25th | P. Delgada. | 29.97 | 55 | Z | 0 | c | 30.00 | +.03 | 52 | 49 | o | NNE | 1 | b | 2 | 61 | 52 | – | – | – |
| 26th | Corunna. | 30.15 | 55 | E | 1 | b | 30.22 | – | 45 | – | – | ESE | 1 | bc | 3 | ?55 | 39 | – | – | – |
| " | P. Delgada. | 30.11 | 59 | SW | 3 | o | 30.15 | +.15 | 58 | 55 | +6 | WSW | 4 | b | – | 63 | 52 | – | – | – |
| 27th | Corunna. | 30.22 | 57 | S | 5 | bc | 30.23 | +.01 | 56 | 52 | +11 | SSW | 3 | o | 3 | 59 | 45 | – | – | – |
| " | P. Delgada. | 30.23 | 60 | WSW | 5 | m | 30.19 | +.04 | 61 | 58 | +3 | W | 4 | o | 3 | 63 | ?58 | – | – | – |
| 28th | Corunna | 30.18 | 61 | SSW | 5 | bc | 29.95 | –.28 | 52 | 50 | –4 | S | 3 | r | 6 | 63 | 48 | – | – | 0.52 |
| " | P. Delgada. | 30.32 | 53 | NW | 4 | bc | 30.42 | +.23 | 50 | – | –11 | NW | 4 | bc | – | 63 | 48 | – | – | – |
| 29th | Lisbon. | 30.24 | 49 | NNW | 3 | o | 30.30 | +.16 | 45 | 44 | –9 | ENE | 3 | b | – | 54 | 45 | – | – | – |
| 30th | Corunna. | 30.22 | 53 | SSW | 3 | b | 29.84 | – | 52 | 50 | – | S | 5 | o | 6 | 55 | 48 | – | – | 0.12 |
| " | P. Delgada. | 30.26 | 58 | N | 2 | m | 30.23 | –.07 | 57 | 53 | –2 | W | 5 | o | 4 | 63 | 55 | – | – | 0.04 |

# REPORTS FOR JANUARY, 1904.

## 2. CORRECTIONS.

| DATE. | STATIONS. | YESTERDAY EVENING. Barom. At 32° and M.S.L. | Temp. Dry Bulb. | Wind. Direc. | Wind. Force (0 to 12). | Weather. | THIS MORNING. Barometer. At 32° Fahr. and M.S.L. | Barometer. Change since Yesterday. | Temperature. Dry Bulb. | Temperature. Wet Bulb. | Temperature. Change since Yesterday. | Wind. Direc. | Wind. Force (0 to 12). | Weather. | Sea (0 to 9). | PAST 24 HOURS. Temp. Max | Temp. Min. | Weather | Sunshine. | Rainfall. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Ins. | ° | | | | Ins. | Ins. | ° | ° | ° | | | | | | | | Hours. | Ins. |
| 1st | Karlstad. | 30.36 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| " | Stornoway. | – | – | – | – | – | ? 29.91 | –.02 | – | – | – | – | – | – | – | – | – | – | – | – |
| " | Clacton. | – | – | – | – | – | 29.97 | – | – | – | – | – | – | – | – | – | – | – | – | – |
| 4th | Sumburgh Head. | – | – | – | 5 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| " | Blacksod Point. | – | – | – | – | – | – | – | – | – | – | – | 5 | – | – | – | – | – | – | – |
| " | Parsonstown. | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | 2.0 | – |
| " | Dungeness. | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | 39 | – | – | – |
| " | Clacton. | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | 2.7 | – |
| 6th | Pembroke. | – | – | – | – | – | – | – | – | – | – | – | – | 8m | – | – | – | – | – | – |
| " | Clacton. | – | – | – | – | – | 30.33 | +.43 | – | – | – | – | – | – | – | – | – | – | – | – |
| 7th | Stornoway. | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | 0.66 |
| " | Blacksod Pt. | – | – | – | – | – | 29.61 | –.17 | – | – | – | – | – | – | – | – | – | – | – | – |
| " | Bath. | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | 33 | – | – | – |
| 8th | Malin Head. | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | 0.06 |
| " | Scilly. | – | – | – | – | – | – | – | – | 48 | – | – | – | – | – | – | – | – | – | – |
| 9th | Donaghadee. | – | ? 41 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| " | Pembroke. | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | 0.09 |
| " | Dungeness. | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | 34 | – | – | – |
| 12th | Scilly. | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | 44 | – | – | – |
| " | Leith. | 29.45 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| 13th | Sumburgh Head. | – | – | – | – | – | – | – | – | – | – | – | – | – | – | 40 | – | – | – | – |
| " | Malin Head. | – | – | – | – | – | – | – | – | – | – | – | – | – | – | 46 | – | – | – | – |
| 14th | Roche's Point. | 29.09 | – | – | – | – | – | – | 44 | 42 | –6 | – | – | – | – | – | – | – | – | – |
| " | Wick. | 28.49 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| 15th | Valencia. | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | 0.09 |
| " | Roche's Point. | – | – | – | – | – | – | – | – | – | –4 | – | – | – | – | 45 | – | – | – | – |
| " | Donaghadee. | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | 0.07 |
| " | North Shields. | – | 43 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| 16th | Parsonstown. | – | – | WNW | – | – | – | – | – | – | – | WNW | – | – | – | – | – | – | – | – |
| " | Scilly. | 29.93 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| " | Clacton. | – | – | – | – | – | 29.75 | – | – | – | – | – | – | – | – | – | – | – | – | – |
| " | London. | – | – | – | – | – | – | – | 34 | 33 | –2 | – | – | – | – | – | – | – | – | – |
| 18th | Scilly. | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | 0.2 | – |
| " | Spurn Head. | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | 32 | – | – | – |
| " | Nottingham. | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | 30 | – | – | – |
| " | Munich. | – | – | – | – | – | 30.29 | +.27 | – | – | – | – | – | – | – | – | – | – | – | – |
| 19th | Sumburgh Head. | – | 47 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| " | North Shields. | – | – | – | – | – | – | – | – | – | – | NNW | – | – | – | – | – | – | – | – |
| " | Yarmouth. | – | – | – | – | – | – | – | – | – | – | – | – | – | – | 43 | – | – | – | – |
| " | Bath. | 30.35 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| 21st | Scilly. | – | – | NNW | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| " | Dungeness. | – | – | – | – | – | 30.47 | –.08 | – | – | – | – | – | – | – | – | – | – | – | – |
| 22nd | Parsonstown. | 30.72 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| " | Bath. | – | – | – | – | – | 30.74 | +.25 | – | – | – | – | – | – | – | – | – | – | – | – |
| 23rd | Parsonstown. | 30.72 | – | – | – | – | 30.61 | –.13 | – | – | – | – | – | – | – | – | – | – | – | – |
| " | Holyhead. | – | – | – | – | – | – | – | – | – | – | W | – | – | – | – | – | – | – | – |
| " | Pembroke. | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | 6.6 | – |
| " | Leith. | 30.57 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| 24th | Blacksod Pt. | – | – | – | – | – | – | – | – | – | – | – | – | – | – | 47 | – | – | – | – |
| " | Yarmouth. | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | 31 | – | – | – |
| " | Bath. | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | 3.8 | – |
| 26th | Blacksod Pt. | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | 41 | – | – | – |
| " | Donaghadee. | – | – | – | – | – | – | – | – | 46 | – | – | – | – | – | – | – | – | – | – |
| 27th | Jersey. | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | 2.3 | – |
| " | Portland Bill | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | 0.18 |
| " | Bath. | – | 46 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| 28th | Pembroke. | – | – | – | – | – | – | – | – | – | – | – | – | – | – | 50 | – | – | – | – |
| " | Portland Bill. | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | 0.66 |
| 29th | Skudesnaes. | 29.51 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| " | Aberdeen. | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | 0.02 |
| " | North Shields. | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | 0.02 |
| " | Clacton. | – | – | – | – | – | 29.95 | – | – | – | – | – | – | – | – | 44 | – | – | – | – |
| 30th | Blacksod Pt. | – | – | – | – | – | – | – | – | 39 | – | – | – | – | – | – | – | – | – | – |
| " | Portland Bill. | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | 0.17 |
| " | Nairn. | – | – | – | 4 | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – |
| " | Spurn Head. | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | 38 | – | – | – |
| " | Bath. | – | – | – | – | – | – | – | – | – | – | – | – | – | – | – | 39 | – | 5.7 | – |